PROBING LOGS FOR "AREA 3"

PORTSMOUTH HSE.

U. S. ARMY
CORPS OF ENGINEERS
NEW ENGLAND DIVISION

FIELD LOG OF TEST PROBE

Site Portsmouth Harbor N.H.& ME Page 1 of 1 Pages

Probe No. FP-83-S-4 Desig. S-4 Diam.Probe ROD AW-1 3/4"D

Coordinates: N _____ E _____

10/6/83

Elevation +8.75' of Water Surface M.L.W.

Elevation Top of Probe -43.75' M.L.W.

Elevation Top of Refusal ---- M.L.W.

Elevation Bottom of Probe -43.75' M.L.W.

Total Depth of Probe 0' Feet

Hammer Wt. 300# Probe Started 10:25

Hammer Drop 18" Probe Completed 10:30

Drilled by R. Seymour Soil Exploration Corp.

Mfg. Des.Drill ACKER ACE

Inspected by: Peter Beblowski

Depth 1"= 5'	Blows Per Foot	PROBING OPERATIONS	CLASSIFICATION OF MATERIALS
		Lowered rods and probe to 43.75'	Clean probe & rods upon completion.

GENERAL REMARKS

ATTACHMENT 2

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NEW ENGLAND DIVISION

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Probe No. FP-83-S-5 Desig. S-5 Diam. Probe ROD AW-1 3/4"D

Coordinates: N ____ E ____

10/6/83

Elevation +8.5' of Water Surface M.L.W.

Elevation Top of Probe -33.0' M.L.W.

Elevation Top of Refusal -35.0' M.L.W.

Elevation Bottom of Probe -35.0' M.L.W.

Total Depth of Probe 2' Feet

Hammer Wt. 300# Probe Started 10:00

Hammer Drop 18" Probe Completed 10:15

Drilled by R. Seymour Soil Exploration Corp.

Mfg. Des. Drill ACKER ACE

Inspected by: Peter Beblowski

Depth 1"= 5'	Blows Per Foot	PROBING OPERATIONS	CLASSIFICATION OF MATERIALS
2'	4 3	Soft	Clean probe & rods
		Refusal at -35.0' 50/0"	

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Probe No. FP-83-S-6 Desig. S-6 Diam. Probe ROD AW-1 3/4"D

Coordinates: N _____ E _____

10/6/83

Elevation +6.25' of Water Surface M.L.W.

Elevation Top of Probe -23.75' M.L.W.

Elevation Top of Refusal -24.75' M.L.W.

Elevation Bottom of Probe -24.75' M.L.W.

Total Depth of Probe 1' Feet

Hammer Wt. 300# Probe Started 9:10

Hammer Drop 18" Probe Completed 9:15

Drilled by R. Seymour Soil Exploration Corp.

Mfg. Des. Drill ACKER ACE

Inspected by: Peter Beblowski

Depth 1"= 5	Blows Per Foot	PROBING OPERATIONS	CLASSIFICATION OF MATERIALS
1	29	Very stiff to hard Refusal at -24.75' 50/0"	Clean probe & rods upon completion.

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Probe No. FP-83-S-7 Desig. S-7 Diam. Probe ROD AW-1 3/4"D

Coordinates: N _____ E _____

10/4/83

Elevation +5.5' of Water Surface M.L.W.

Elevation Top of Probe -14.0' M.L.W.

Elevation Top of Refusal -17.0' M.L.W.

Elevation Bottom of Probe -17.0' M.L.W.

Total Depth of Probe 3 Feet

Hammer Wt. 300# Probe Started 12:40

Hammer Drop 18" Probe Completed 12:45

Drilled by R. Seymour Soil Exploration Corp.

Mfg. Des. Drill ACKER ACE

Inspected by: Peter Beblowski

Depth 1"= 5'	Blows Per Foot	PROBING OPERATIONS	CLASSIFICATION OF MATERIALS
3'	20 62 71	Refusal at -17.0' 50/0"	Clean probe & rods

GENERAL REMARKS

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Probe No. FP-83-S-8 Desig. S-8 Diam. Probe ROD AW-1 3/4"D

Coordinates: N _____ E _____

10/4/83

Elevation +4.5' of Water Surface M.L.W.

Elevation Top of Probe -14.0' M.L.W.

Elevation Top of Refusal -16.0' M.L.W.

Elevation Bottom of Probe -16.0' M.L.W.

Total Depth of Probe 2' Feet

Hammer Wt. 300# Probe Started 1:00

Hammer Drop 18" Probe Completed 1:10

Drilled by Soil Exploration Corp. R. Seymour

Mfg. Des. Drill ACKER ACE

Inspected by: Peter Beblowski

Depth 1"= 5'	Blows Per Foot	PROBING OPERATIONS	CLASSIFICATION OF MATERIALS
2'	4 21	Soft to stiff	Clean probe & rods
		Refusal t -16.0' 50/0"	

GENERAL REMARKS

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NEW ENGLAND DIVISION

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Probe No. FP-83-S-9 Desig. S-9 Diam. Probe ROD AW-1 3/4"D

Coordinates: N _____ E _____

Elevation +3.0' of Water Surface M.L.W.

Elevation Top of Probe -13.0' M.L.W.

Elevation Top of Refusal -16.0' M.L.W.

Elevation Bottom of Probe -16.0' M.L.W.

Total Depth of Probe 3' Feet

Hammer Wt. 300# Probe Started 1:30

Hammer Drop 18" Probe Completed 1:35

Drilled by R. Seymour ~~Soil Exploration Corp.~~

Mfg. Des. Drill ACKER ACE

Inspected by: Peter Beblowski

Depth 1"= 5'	Blows Per Foot	PROBING OPERATIONS	CLASSIFICATION OF MATERIALS
3'	9 29 30	Stiff to very stiff	Clean probe & rods
		Refusal at -16.0' 50/0"	

GENERAL REMARKS

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U. S. ARMY
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Probe No. FP-83-S-10 Desig. S-10 Diam. Probe ROD AW-1 3/4"D

Coordinates: N _____ E _____

10/4/83

Elevation +4.5' of Water Surface M.L.W.

Elevation Top of Probe -11.5' M.L.W.

Elevation Top of Refusal -17.0' M.L.W.

Elevation Bottom of Probe -17.0' M.L.W.

Total Depth of Probe 5.5' Feet

Hammer Wt. 300# Probe Started 12:40

Hammer Drop 18" Probe Completed 1:05

Drilled by D. Campbell Soil Exploration Comp

Mfg. Des. Drill ACKER ACE

Inspected by: Peter Beblowski

Depth 1"= 5'	Blows Per Foot	PROBING OPERATIONS	CLASSIFICATION OF MATERIALS
	26	Very stiff	
	40	Hard	
	72		
	80	Very hard	Rods were clean upon completion of probe
	78		
5.5'	40		
		Bouncing refusal at -17.0	

GENERAL REMARKS

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Probe No. FP-83-S-11 Desig. S-11 Diam. Probe ROD AW-1 3/4"D

Coordinates: N _____ E _____

10/4/83

Elevation +3.0' of Water Surface M.L.W.

Elevation Top of Probe -14.0' M.L.W.

Elevation Top of Refusal -19.5' M.L.W.

Elevation Bottom of Probe -19.5' M.L.W.

Total Depth of Probe 5.5' Feet

Hammer Wt. 300# Probe Started 1:15

Hammer Drop 18" Probe Completed 1:35

D. Campbell

Drilled by Soil Exploration Corp.

Mfg. Des. Drill ACKER ACE

Inspected by: Peter Beblowski

Depth 1"= 5'	Blows Per Foot	PROBING OPERATIONS	CLASSIFICATION OF MATERIALS
	WOH	Soft	
	5 7	Med. stiff	
	21	Very stiff	Rods were clean upon completion.
	55-	Very hard	
5.5'	26	very hard	
		Bouncing refusal at -19.5'	

GENERAL REMARKS

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Probe No. FP-83-S-12 Desig. S-12 Diam. Probe ROD AW-1 3/4"D

Coordinates: N _____ E _____

10/4/83

Elevation +2.0' of Water Surface M.L.W.

Elevation Top of Probe -16.0' M.L.W.

Elevation Top of Refusal -22.0' M.L.W.

Elevation Bottom of Probe -22.0' M.L.W.

Total Depth of Probe 6' Feet

Hammer Wt. 300# Probe Started 2:00

Hammer Drop 18" Probe Completed 2:00

Drilled by D. Campbell Soil Exploration Corp.

Mfg. Des. Drill ACKER ACE

Inspected by: Peter Beblowski

Depth 1"= 5'	Blows Per Foot	PROBING OPERATIONS	CLASSIFICATION OF MATERIALS
	WOH WOH WOH	Soft	Greenish colored silt, few crushed shells, little fine sand, trace of clay,
	14 15	Stiff	The following soil just described was observed on O.E. Rod upon completion.
6'	47	Hard	
		Bouncing refusal at -22.0'	

GENERAL REMARKS

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Probe No. FP-83-S-13 Desig. S-13 Diam. Probe ROD AW-1 3/4"D

Coordinates: N _____ E _____

10/11/83

Elevation 0.0' of Water Surface M.L.W.

Elevation Top of Probe -19.5' M.L.W.

Elevation Top of Refusal -26.5' M.L.W.

Elevation Bottom of Probe -26.5' M.L.W.

Total Depth of Probe 7' Feet

Hammer Wt. 300# Probe Started _____

Hammer Drop 18" Probe Completed _____

Drilled by R. Seymour Soil Exploration Corp.

Mfg. Des. Drill ACKER ACE

Inspected by: Peter Beblowski

Depth 1"= 5	Blows Per Foot	PROBING OPERATIONS	CLASSIFICATION OF MATERIALS
	WOH		
	WOH	Very stiff	
	WOH		
	1		
	8		
5'			
	11	Stiff	Some silt and sand on rods & probe.
7'	15		
		Refusal at -26.5' 50/0"	

GENERAL REMARKS

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Probe No. FP-83-S-14 Desig. S-14 Diam. Probe ROD AW-1 3/4"D

Coordinates: N ____ E ____

10/11/83

Elevation 0' of Water Surface M.L.W.

Elevation Top of Probe -23.0' M.L.W.

Elevation Top of Refusal -29.0' M.L.W.

Elevation Bottom of Probe -29.0' M.L.W.

Total Depth of Probe 6' Feet

Hammer Wt. 300# Probe Started 9:40

Hammer Drop 18" Probe Completed 9:50

Drilled by D. Campbell Soil Exploration Coop.

Mfg. Des. Drill ACKER ACE

Inspected by: Peter Beblowski

Depth 1"= 5'	Blows Per Foot	PROBING OPERATIONS	CLASSIFICATION OF MATERIALS
	WOH WOH	Soft	Observed on O.E. upon completion green silt, some crushed shells, trace of fine sand.
	6	Med. stiff	
	22 27	Very stiff	
5'			
6'	79	Very hard	
		Refusal at -29.0' 50/0"	

GENERAL REMARKS

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Probe No. FP-83-S-15 Desig. S-15 Diam. Probe ROD AW-1 3/4"D

Coordinates: N _____ E _____

Elevation +1.0' of Water Surface M.L.W.

Elevation Top of Probe -23.5' M.L.W.

Elevation Top of Refusal -29.5' M.L.W.

Elevation Bottom of Probe -29.5' M.L.W.

Total Depth of Probe 6' Feet

Hammer Wt. 300# Probe Started 10:30

Hammer Drop 18" Probe Completed 10:40

R. Seymour

Drilled by Soil Exploration Corp

Mfg. Des. Drill ACKER ACE

Inspected by: Peter Beblowski

Depth 1"= 5	Blows Per Foot	PROBING OPERATIONS	CLASSIFICATION OF MATERIALS
	~~WOH~~		
	WOH	Very soft	
	WOH		
	10		
	11	Stiff to very stiff	Some silt and sand on probe
	24		
5'	28		
6'			
		Refusal at -29.5' 50/0"	

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Probe No. FP-83-S-16 Desig. S-16 Diam. Probe ROD AW-1 3/4"D

Coordinates: N _____ E _____

10/11/83

Elevation +1' of Water Surface M.L.W.

Elevation Top of Probe -20.0' M.L.W.

Elevation Top of Refusal -35.0' M.L.W.

Elevation Bottom of Probe -35.0' M.L.W.

Total Depth of Probe 15' Feet

Hammer Wt. 300# Probe Started 10:00

Hammer Drop 18" Probe Completed 10:15

Drilled by Soil Exploration Corp D. Campbell

Mfg. Des. Drill ACKER ACE

Inspected by: Peter Beblowski

Depth 1"= 5'	Blows Per Foot	PROBING OPERATIONS	CLASSIFICATION OF MATERIALS
	WOH	Soft	Rods were clean upon completion.
	1		
	WOH		
	1		
	6	Med. stiff	
5'	17	Very stiff	
	26		
	37	Hard	
	22	Very stiff	
	20		
10'	26		
	25		
	21		
	31	Hard	
15'	62	Very hard	
		Refusal at -35.0' 50/0"	

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Probe No. FP-83-T-4 Desig. T-4 Diam. Probe ROD AW-1 3/4"D

Coordinates: N _____ E _____

10/6/83

Elevation +9.5' of Water Surface M.L.W.

Elevation Top of Probe -49.5' M.L.W.

Elevation Top of Refusal ---- M.L.W.

Elevation Bottom of Probe -49.5' M.L.W.

Total Depth of Probe 0' Feet

Hammer Wt. 300# Probe Started 10:55

Hammer Drop 18" Probe Completed 11:00

R. Seymour

Drilled by Soil Exploration Corp.

Mfg. Des. Drill ACKER ACE

Inspected by: Peter Beblowski

Depth 1"= 5	Blows Per Foot	PROBING OPERATIONS	CLASSIFICATION OF MATERIALS
		Lowered probe to -49.5'	Clean probe & rods upon completion.

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Probe No. FP-83-T-5 Desig. T-5 Diam. Probe ROD AW-1 3/4"D

Coordinates: N _____ E _____

10/6/83

Elevation +10.0 of Water Surface M.L.W.

Elevation Top of Probe -40.0' M.L.W.

Elevation Top of Refusal ----- M.L.W.

Elevation Bottom of Probe -40.0' M.L.W.

Total Depth of Probe 0 Feet

Hammer Wt. 300# Probe Started 11:15

Hammer Drop 18" Probe Completed 11:20

R. Seymour

Drilled by Soil Exploration Corp.

Mfg. Des. Drill ACKER ACE

Inspected by: Peter Beblowski

Depth 1"=	Blows Per Foot	PROBING OPERATIONS	CLASSIFICATION OF MATERIALS
		Lowered rods to -40.0'	Clean probe & rods upon completion.

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Probe No. FP-83-T-6 Desig. T-6 Diam. Probe ROD AW-1 3/4"D

Coordinates: N _____ E _____

10/6/83

Elevation +10.0' of Water Surface M.L.W.

Elevation Top of Probe -29.25' M.L.W.

Elevation Top of Refusal -31.25' M.L.W.

Elevation Bottom of Probe -31.25' M.L.W.

Total Depth of Probe 2' Feet

Hammer Wt. 300# Probe Started 11:35

Hammer Drop 18" Probe Completed 11:45

Drilled by R. Seymour ~~Soil Exploration Corp.~~

Mfg. Des. Drill ACKER ACE

Inspected by: Peter Beblowski

Depth 1"= 5'	Blows Per Foot	PROBING OPERATIONS	CLASSIFICATION OF MATERIALS
2'	3 37	Soft to hard	Clean probe & rods upon completion.
		Refusal at -31.25' 50/0"	

GENERAL REMARKS

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Probe No. FP-83-T-7 Desig. T-7 Diam. Probe ROD AW-1 3/4"D

Coordinates: N _____ E _____

10/4/83

Elevation +8.5' of Water Surface M.L.W.

Elevation Top of Probe -11.5' M.L.W.

Elevation Top of Refusal -11.5' M.L.W.

Elevation Bottom of Probe -11.5' M.L.W.

Total Depth of Probe 0' Feet

Hammer Wt. 300# Probe Started 11:25

Hammer Drop 18" Probe Completed 11:25

R. Seymour

Drilled by Soil Exploration Corp.

Mfg. Des. Drill ACKER ACE

Inspected by: Peter Beblowski

Depth 1"= 5'	Blows Per Foot	PROBING OPERATIONS	CLASSIFICATION OF MATERIALS
		Refusal at -11.5' 50/0"	Clean probe & rods

GENERAL REMARKS

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Probe No. FP-83-T-8 Desig. T-8 Diam. Probe ROD AW-1 3/4"D

Coordinates: N _____ E _____

10/4/83

Elevation +8.75 of Water Surface M.L.W.

Elevation Top of Probe -14.25' M.L.W.

Elevation Top of Refusal -17.25' M.L.W.

Elevation Bottom of Probe -17.25' M.L.W.

Total Depth of Probe 3' Feet

Hammer Wt. 300# Probe Started 10:55

Hammer Drop 18" Probe Completed 11:03

Drilled by R. Seymour Soil Exploration Corp

Mfg. Des. Drill ACKER ACE

Inspected by: Peter Beblowski

Depth 1"= 5'	Blows Per Foot	PROBING OPERATIONS	CLASSIFICATION OF MATERIALS
3'	6 17 39	Med. stiff to hard	Clean probe & rods upon completion.
		Refusal at -17.25' 50/0"	

GENERAL REMARKS

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Probe No. FP-83-1-9 Desig. T-9 Diam. Probe ROD AW-1 3/4"D

Coordinates: N ____ E ____

10/4/83

Elevation +8.75' of Water Surface M.L.W.

Elevation Top of Probe -14.25' M.L.W.

Elevation Top of Refusal ~~-16.25'~~ M.L.W.

Elevation Bottom of Probe -16.25' M.L.W.

Total Depth of Probe 2' Feet

Hammer Wt. 300# Probe Started 10:15

Hammer Drop 18" Probe Completed 10:30

R. Seymour

Drilled by Soil Exploration Corp.

Mfg. Des. Drill ACKER ACE

Inspected by: Peter Beblowski

Depth 1"= 5'	Blows Per Foot	PROBING OPERATIONS	CLASSIFICATION OF MATERIALS
2'	6 39	Med. stiff to hard	Clean probe & rods upon completion.
		Refusal at -16.25' 50/0"	

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Probe No. FP-83-T-10 Desig. T-10 Diam. Probe ROD AW-1 3/4"D

Coordinates: N ____ E ____

10/4/83

Elevation +8.5' of Water Surface M.L.W.

Elevation Top of Probe -11.75 M.L.W.

Elevation Top of Refusal -13.75 M.L.W.

Elevation Bottom of Probe -13.75' M.L.W.

Total Depth of Probe 2' Feet

Hammer Wt. 300# Probe Started 9:50

Hammer Drop 18" Probe Completed 10:00

Drilled by R. Seymour Soil Exploration Corp.

Mfg. Des. Drill ACKER ACE

Inspected by: Peter Beblowski

Depth 1"= 5	Blows Per Foot	PROBING OPERATIONS	CLASSIFICATION OF MATERIALS
2'	6 9.	Med. stiff	Clean probe & rods upon completion.
		Refusal at -13.75' 50/0"	

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Probe No. FP-83-T-11 Desig. T-11 Diam. Probe ROD AW-1 3/4"D

Coordinates: N ∴ E

10/4/83

Elevation +8.0' of Water Surface M.L.W.

Elevation Top of Probe -13.5' M.L.W.

Elevation Top of Refusal -19.5' M.L.W.

Elevation Bottom of Probe -19.5' M.L.W.

Total Depth of Probe 6' Feet

Hammer Wt. 300# Probe Started 8:45

Hammer Drop 18" Completed 8:55

R. Seymour

Drilled by Soil Exploration Corp

Mfg. Des. Drill ACKER ACE

Inspected by: Peter Beblowski

Depth 1"= 5'	Blows Per Foot	PROBING OPERATIONS	CLASSIFICATION OF MATERIALS
	3 4 3 5 7	Soft to med. stiff	Clean probe & rods
5' 6'	49	Hard	
		Refusal at -19.5' 50/0"	

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Probe No. FP-83-T-12 Desig. T-12 Diam. Probe ROD AW-1 3/4"D

Coordinates: N _____ E _____ 10/4

Elevation +8.5' of Water Surface M.L.W.

Elevation Top of Probe -16.0' M.L.W.

Elevation Top of Refusal -24.0' M.L.W.

Elevation Bottom of Probe -24.0' M.L.W.

Total Depth of Probe 8' Feet

Hammer Wt. 300# Probe Started 9:10

Hammer Drop 18" Probe Completed 9:30

Drilled by _____

Mfg. Des. Drill ACKER ACE

Inspected by: Peter Beblowski

Depth 1"= 5'	Blows Per Foot	PROBING OPERATIONS	CLASSIFICATION OF MATERIALS
	2		
	12	Very soft	
	27		
	32		
	18	Very stiff to hard	
5'			Clean probe & rods upon completion.
	23		
	35		
8'	64		
		Refusal at -24.0' 50/0"	

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Probe No. FP-83-T-13 Desig. T-13 Diam. Probe ROD AW-1 3/4"D

Coordinates: N _____ E _____

10/4/83

Elevation +.75' of Water Surface M.L.W.

Elevation Top of Probe -15.25' M.L.W.

Elevation Top of Refusal ~~-23.25'~~ M.L.W.

Elevation Bottom of Probe -23.25' M.L.W.

Total Depth of Probe 8' Feet

Hammer Wt. 300# Probe Started 5:15

Hammer Drop 18" Probe Completed 5:20

Drilled by R. Seymour Soil Exploration Corp.

Mfg. Des. Drill ACKER ACE

Inspected by: Peter Beblowski

Depth 1"= 5'	Blows Per Foot	PROBING OPERATIONS	CLASSIFICATION OF MATERIALS
	2 2 4 6 7	Very soft	
5'	16 19 21	Med. stiff to very stiff	Clean probe & rods
8'		Refusal at -23.25' 50/0"	

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Probe No. FP-83-T-15 Desig. T-15 Diam.Probe ROD AW-1 3/4"D

Coordinates: N _____ E _____

10/4/83

Elevation 0.0' of Water Surface M.L.W.

Elevation Top of Probe -22.0' M.L.W.

Elevation Top of Refusal -30.0' M.L.W.

Elevation Bottom of Probe -30.0' M.L.W.

Total Depth of Probe 8' Feet

Hammer Wt. 300# Probe Started 3:15

Hammer Drop 18" Probe Completed 3:20

Drilled by R. Seymour Soil Exploration Corp.

Mfg. Des.Drill ACKER ACE

Inspected by: Peter Beblowski

Depth 1"= 5'	Blows Per Foot	PROBING OPERATIONS	CLASSIFICATION OF MATERIALS
	WOH		
	WOH	Very soft	
	WOH		
	8		
	29		
5'			
	31	Med. stiff	Clean probe & rods upon completion.
	36		
8'	43	Hard	
		Refusal at -30.0' 50/0"	

GENERAL REMARKS

ATTACHMENT 2

U. S. ARMY
CORPS OF ENGINEERS
NEW ENGLAND DIVISION

FIELD LOG OF TEST PROBE

Site Portsmouth Harbor N.H.& ME Page 1 of 1 Pages

Probe No. FP-83-T-16 Desig. T-16 Diam. Probe ROD AW-1 3/4"D

Coordinates: N _____ E _____

10/4/83

Elevation -.5' of Water Surface M.L.W.

Elevation Top of Probe -23.5' M.L.W.

Elevation Top of Refusal -32.5' M.L.W.

Elevation Bottom of Probe -32.5' M.L.W.

Total Depth of Probe 9' Feet

Hammer Wt. 300# Probe Started 3:35

Hammer Drop 18" Probe Completed 3:45

R. Seymour

Drilled by Soil Exploration Corp.

Mfg. Des. Drill ACKER ACE

Inspected by: Peter Beblowski

Depth 1"= 5'	Blows Per Foot	PROBING OPERATIONS	CLASSIFICATION OF MATERIALS
	1	Very soft	
	2		
	9		
	8	Med. stiff to very stiff	
	21		
5'			
	31		
	39		
	27	Hard	Some silt and sand on probe
9'	40		
		Refusal at -32.5' 50/0"	

GENERAL REMARKS

ATTACHMENT 2

U. S. ARMY
CORPS OF ENGINEERS
NEW ENGLAND DIVISION

FIELD LOG OF TEST PROBE

Site Portsmouth Harbor N.H.& ME Page 1 of 1 Pages

Probe No. FP-83-T-17 Desig. T-17 Diam. Probe ROD AW-1 3/4"D

Coordinates: N _____ E _____

10/4/83

Elevation -0.5' of Water Surface M.L.W.

Elevation Top of Probe -21.5' M.L.W.

Elevation Top of Refusal -24.0' M.L.W.

Elevation Bottom of Probe -24.0' M.L.W.

Total Depth of Probe 2.5' Feet

Hammer Wt. 300# Probe Started 3:35

Hammer Drop 18" Probe Completed 3:50

Drilled by D. Campbell Soil Exploration Corp.

Mfg. Des. Drill ACKER ACE

Inspected by: Peter Beblowski

Depth 1"= 5'	Blows Per Foot	PROBING OPERATIONS	CLASSIFICATION OF MATERIALS
	1	Soft	Rods were clean
	7	Med. stiff	
2.5'	42	Very hard	
		Bouncing refusal at -24.0'	

GENERAL REMARKS

ATTACHMENT 2

U. S. ARMY
CORPS OF ENGINEERS
NEW ENGLAND DIVISION

FIELD LOG OF TEST PROBE

Site Portsmouth Harbor N.H.& ME Page 1 of 1 Pages

Probe No. FP-83-I-18 Desig. T-18 Diam.Probe ROD AW-1 3/4"D

Coordinates: N ∴ E

10/4/83

Elevation 0 of Water Surface M.L.W.

Elevation Top of Probe -19' M.L.W.

Elevation Top of Refusal -28' M.L.W.

Elevation Bottom of Probe -28' M.L.W.

Total Depth of Probe 9' Feet

Hammer Wt. 300# Probe Started 3:15

Hammer Drop 18" Probe Completed 3:25

Drilled by D. Campbell Soil Exploration Corp.

Mfg. Des.Drill ACKER ACE

Inspected by: Peter Beblowski

Depth 1"= 5'	Blows Per Foot	PROBING OPERATIONS	CLASSIFICATION OF MATERIALS
	6	Med. stiff	
	8		
	12	Stiff	
	32		
	31		
5'			
	35	Hard	Rods were clean
	42		
	48		
	60		
9'		Very hard	
		Refusal t -28'	

GENERAL REMARKS

ATTACHMENT 2

U. S. ARMY
CORPS OF ENGINEERS
NEW ENGLAND DIVISION

FIELD LOG OF TEST PROBE

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Probe No. FP-83-T-19 Desig. T-19 Diam. Probe ROD AW-1 3/4"D

Coordinates: N _____ E _____

10/5/83

Elevation +6.0' of Water Surface M.L.W.

Elevation Top of Probe -19.25' M.L.W.

Elevation Top of Refusal -26.25' M.L.W.

Elevation Bottom of Probe -26.25' M.L.W.

Total Depth of Probe 7' Feet

Hammer Wt. 300# Probe Started 8:20

Hammer Drop 18" Probe Completed 8:30

Drilled by R. Seymour Soil Exploration Corp.

Mfg. Des. Drill ACKER ACE

Inspected by: Peter Beblowski

Depth 1"= 5'	Blows Per Foot	PROBING OPERATIONS	CLASSIFICATION OF MATERIALS
	6 8 11 9 7	Med. stiff to stiff	
5'	26	Very stiff to hard	Clean probe & rods upon completion.
7'	62		
		Refusal at -26.25' 50/0"	

GENERAL REMARKS

ATTACHMENT 2

U. S. ARMY
CORPS OF ENGINEERS
NEW ENGLAND DIVISION

FIELD LOG OF TEST PROBE

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Probe No. FP-83-T-20 Desig. T-21 Diam. Probe ROD AW-1 3/4"D

Coordinates: N _____ E _____

10/5/83

Elevation +9.75' of Water Surface M.L.W.

Elevation Top of Probe -21.25' M.L.W.

Elevation Top of Refusal -33.25' M.L.W.

Elevation Bottom of Probe -33.25' M.L.W.

Total Depth of Probe 12' Feet

Hammer Wt. 300# Probe Started 10:25

Hammer Drop 18" Probe Completed 10:45

D. Campbell

Drilled by Soil Exploration Corp.

Mfg. Des. Drill ACKER ACE

Inspected by: Peter Beblowski

Depth 1"= 5'	Blows Per Foot	PROBING OPERATIONS	CLASSIFICATION OF MATERIALS
	11 12	Stiff	
	25	Very stiff	
	17		
	8	Stiff	
5'	4	Med. stiff	
	12 11	Stiff	
	21	Very stiff	
	35	Hard	Rods were clean
10'	47		
	72	Very hard	
12'		Refusal at -33.25'	

GENERAL REMARKS

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CORPS OF ENGINEERS
NEW ENGLAND DIVISION

FIELD LOG OF TEST PROBE

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Probe No. FP-83-T-22 Desig. T-22 Diam. Probe ROD AW-1 3/4"D

Coordinates: N _____ E _____

10/5/83

Elevation +9.0' of Water Surface M.L.W.

Elevation Top of Probe -24.5' M.L.W.

Elevation Top of Refusal ---- M.L.W.

Elevation Bottom of Probe -40.5' M.L.W.

Total Depth of Probe 16' Feet

Hammer Wt. 300# Probe Started 9:45

Hammer Drop 18" Probe Completed 10:05

Drilled by D. Campbell Soil Exploration Corp.

Mfg. Des. Drill ACKER ACE

Inspected by: Peter Beblowski

Depth 1"= 5'	Blows Per Foot	PROBING OPERATIONS	CLASSIFICATION OF MATERIALS
	36	Hard	Rods were clean
	8	Stiff	
	2	Soft	
5'	16 25 25 26 21 16 21 28	Very stiff	
10'	31 33	Hard	
	18 22	Very stiff	
15'	29		
16'		Probe ended at -40.5'	

GENERAL REMARKS

ATTACHMENT 2

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CORPS OF ENGINEERS
NEW ENGLAND DIVISION

FIELD LOG OF TEST PROBE

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Probe No. FP-83-T-23 Desig. T-23 Diam. Probe ROD AW-1 3/4"D

Coordinates: N _____ E _____

10/5/83

Elevation +8.0' of Water Surface M.L.W.

Elevation Top of Probe -26.0' M.L.W.

Elevation Top of Refusal -34.0' M.L.W.

Elevation Bottom of Probe -34.0' M.L.W.

Total Depth of Probe 8' Feet

Hammer Wt. 300# Probe Started 9:05

Hammer Drop 18" Probe Completed 9:20

D. Campbell

Drilled by Soil Exploration Corp.

Mfg. Des. Drill ACKER ACE

Inspected by: Peter Beblowski

Depth 1"= 5'	Blows Per Foot	PROBING OPERATIONS	CLASSIFICATION OF MATERIALS
boulder #1	6	Med. stiff	No soil on rods Rods were clean
	3	Soft	
	1		
Boulder #2	14		
5'	13		
	27	Stiff	
	60	Very hard	
8'	75	possible boulder	
		Refusal at -34.0' 50/0"	

GENERAL REMARKS

When hammering on rods during probe, they (rods) would penetrate about 1", then bounce back about 0.5" (possibly caused by boulder)

ATTACHMENT 2

U. S. ARMY
CORPS OF ENGINEERS
NEW ENGLAND DIVISION

FIELD LOG OF TEST PROBE

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Probe No. FP-83-T-24 Desig. T-24 Diam. Probe ROD AW-1 3/4"D

Coordinates: N _____ E _____

10/5/83

Elevation +7.25' of Water Surface M.L.W.

Elevation Top of Probe -28.75' M.L.W.

Elevation Top of Refusal --- M.L.W.

Elevation Bottom of Probe -40.75 M.L.W.

Total Depth of Probe 12' Feet

Hammer Wt. 300# Probe Started 8:40

Hammer Drop 18" Probe Completed 8:50

Drilled by Soil Exploration Corp. D. Campbell

Mfg. Des. Drill ACKER ACE

Inspected by: Peter Beblowski

Depth 1"= 5'	Blows Per Foot	PROBING OPERATIONS	CLASSIFICATION OF MATERIALS
	4 4	Med. stiff	Rods were clean upon completion.
	9 14 13	Stiff	
5'	19 28 18	Very stiff	
	31	Hard	
10'	20 21	Very stiff	
12'	31	Hard	
		Probe ended at -40.75'	

GENERAL REMARKS

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U. S. ARMY
CORPS OF ENGINEERS
NEW ENGLAND DIVISION

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Probe No. FP-83-T-25 Desig. T-25 Diam. Probe ROD AW-1 3/4"D

Coordinates: N _____ E _____

10/5/83

Elevation +3.0' of Water Surface M.L.W.

Elevation Top of Probe -27.0' M.L.W.

Elevation Top of Refusal -33.0' M.L.W.

Elevation Bottom of Probe -33.0' M.L.W.

Total Depth of Probe 6' Feet

Hammer Wt. 300# Probe Started 2:35

Hammer Drop 18" Probe Completed 2:50

Drilled by R. Seymour Soil Exploration Corp.

Mfg. Des. Drill ACKER ACE

Inspected by: Peter Beblowski

Depth 1"= 5'	Blows Per Foot	PROBING OPERATIONS	CLASSIFICATION OF MATERIALS
	~~WOH~~		
	WOH	Very soft	
	WOH		
	WOH		
	8		
5'	~~17~~ 15	Med. stiff to stiff	Clean probe & rods
6'	21		
		Refusal at -33' 50/0"	

GENERAL REMARKS

ATTACHMENT 2

U. S. ARMY
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FIELD LOG OF TEST PROBE

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Probe No. FP-83-T-26 Desig. T-26 Diam. Probe ROD AW-1 3/4"D

Coordinates: N ____ E ____

10/5/83

Elevation +1.5' of Water Surface M.L.W.

Elevation Top of Probe -26.5' M.L.W.

Elevation Top of Refusal -33.5' M.L.W.

Elevation Bottom of Probe -33.5' M.L.W.

Total Depth of Probe 7' Feet

Hammer Wt. 300# Probe Started 3:10

Hammer Drop 18" Probe Completed 3:20

Drilled by R. Seymour Soil Exploration Corp.

Mfg. Des. Drill ACKER ACE

Inspected by: Peter Beblowski

Depth 1"= 5'	Blows Per Foot	PROBING OPERATIONS	CLASSIFICATION OF MATERIALS
	3	Soft	
	4		
	6		
	12	Stiff to very stiff	
	20		
5'			Some silt and sand on probe
	23		
7'	22		
		Refusal at -33.5' 50/0"	

GENERAL REMARKS

ATTACHMENT 2

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Probe No. FP-83-T-27 Desig. T-27 Diam. Probe ROD AW-1 3/4"D

Coordinates: N _____ E _____

10/5/83

Elevation +.5' of Water Surface M.L.W.

Elevation Top of Probe 27.0' M.L.W.

Elevation Top of Refusal -34.0' M.L.W.

Elevation Bottom of Probe -34.0' M.L.W.

Total Depth of Probe 7' Feet

Hammer Wt. 300# Probe Started 3:35

Hammer Drop 18" Probe Completed 3:45

Drilled by R. Seymour Soil Exploration Corp

Mfg. Des. Drill ACKER ACE

Inspected by: Peter Beblowski

Depth 1"= 5'	Blows Per Foot	PROBING OPERATIONS	CLASSIFICATION OF MATERIALS
	5		
	7	Med. stiff to stiff	
	12		
	17		
	19		Clean probe & rods upon completion.
5'			
	29	Hard	
7'	31		
		Refusal at -34.0' 50/0"	

GENERAL REMARKS

ATTACHMENT 2

U. S. ARMY
CORPS OF ENGINEERS
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Probe No. FP-83-T-28 Desig. T-28 Diam. Probe ROD AW-1 3/4"D

Coordinates: N _____ E _____

10/5/83

Elevation +1.5' of Water Surface M.L.W.

Elevation Top of Probe -27.5' M.L.W.

Elevation Top of Refusal -33.5' M.L.W.

Elevation Bottom of Probe -33.5' M.L.W.

Total Depth of Probe 6' Feet

Hammer Wt. 300# Probe Started 3:05

Hammer Drop 18" Probe Completed 3:20

Drilled by D. Campbell ~~Soil Exploration Corp.~~

Mfg. Des. Drill ACKER ACE

Inspected by: Peter Beblowski

Depth 1"= 5'	Blows Per Foot	PROBING OPERATIONS	CLASSIFICATION OF MATERIALS
	8	Stiff	Observed green colored silt on O.E. rod upon completion of probe.
	18 16	Very stiff	
	36	Hard	
5'	31		
6'	72	Very hard	
		Refusal at -33.5'	

GENERAL REMARKS

U. S. ARMY
CORPS OF ENGINEERS
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FIELD LOG OF TEST PROBE

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Probe No. FP-83-T-29 Desig. T-29 Diam. Probe ROD AW-1 3/4"D

Coordinates: N _____ E _____

10/5/83

Elevation 0' of Water Surface M.L.W.

Elevation Top of Probe -29' M.L.W.

Elevation Top of Refusal -32' M.L.W.

Elevation Bottom of Probe -32' M.L.W.

Total Depth of Probe 3' Feet

Hammer Wt. 300# Probe Started 3:55

Hammer Drop 18" Probe Completed 4:05

D. Campbell

Drilled by Soil Exploration Corp.

Mfg. Des. Drill ACKER ACE

Inspected by: Peter Beblowski

Depth 1"= 5'	Blows Per Foot	PROBING OPERATIONS	CLASSIFICATION OF MATERIALS
	11	Stiff	
	19	Very stiff	Rods were clean
3'	31	Hard	
		Bouncing refusal at -32'	

GENERAL REMARKS

ATTACHMENT 2

U. S. ARMY
CORPS OF ENGINEERS
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FIELD LOG OF TEST PROBE

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Probe No. FP-83-T-30 Desig. T-30 Diam. Probe ROD AW-1 3/4"D

Coordinates: N ____ E ____

10/5/83

Elevation +0.5' of Water Surface M.L.W.

Elevation Top of Probe -29.5' M.L.W.

Elevation Top of Refusal -32.5' M.L.W.

Elevation Bottom of Probe -32.5' M.L.W.

Total Depth of Probe 3' Feet

Hammer Wt. 300# Probe Started 3:30

Hammer Drop 18" Probe Completed 3:45

D. Campbell

Drilled by Soil Exploration Corp.

Mfg. Des. Drill ACKER ACE

Inspected by: Peter Beblowski

Depth 1"= 5'	Blows Per Foot	PROBING OPERATIONS	CLASSIFICATION OF MATERIALS
	7	Med. stiff	Rods were clean
	22	Very stiff	
3'	67	Very hard	
		Bouncing refusal at -32.5'	

GENERAL REMARKS

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FIELD LOG OF TEST PROBE

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Probe No. FP-83-U-24 Desig. U-24 Diam. Probe ROD AW-1 3/4"D

Coordinates: N ____ E ____

10/5/83

Elevation +6.5' of Water Surface M.L.W.

Elevation Top of Probe -33.5' M.L.W.

Elevation Top of Refusal -40.5' M.L.W.

Elevation Bottom of Probe -40.5' M.L.W.

Total Depth of Probe 7' Feet

Hammer Wt. 300# Probe Started 1:20

Hammer Drop 18" Probe Completed 1:30

Drilled by R. Seymour Soil Exploration Corp.

Mfg. Des. Drill ACKER ACE

Inspected by: Peter Beblowski

Depth 1"= 5'	Blows Per Foot	PROBING OPERATIONS	CLASSIFICATION OF MATERIALS
	3 4 7 8 13	Soft	Clean probe & rods
5'	21	Stiff to very stiff	
7'	25		
		Probe ended at -40.5'	

GENERAL REMARKS

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Probe No. FP-83- Desig. U-25 Diam. Probe ROD AW-1 3/4"D

Coordinates: N ____ E ____

10/5/83

Elevation +9.5' of Water Surface M.L.W.

Elevation Top of Probe -33.25' M.L.W.

Elevation Top of Refusal ----- M.L.W.

Elevation Bottom of Probe -40.25' M.L.W.

Total Depth of Probe 7' Feet

Hammer Wt. 300# Probe Started 11:35

Hammer Drop 18" Probe Completed 11:50

Drilled by R. Seymour Soil Exploration Corp.

Mfg. Des. Drill ACKER ACE

Inspected by: Peter Beblowski

Depth 1"= 5'	Blows Per Foot	PROBING OPERATIONS	CLASSIFICATION OF MATERIALS
	2		
	12	Very soft	
	9		
	10		Clean probe & rods upon completion.
	21	Stiff to very stiff	
5'			
	29		
7'	59	Hard	
		Probe ended at -40.25'	

GENERAL REMARKS

ATTACHMENT 2

U. S. ARMY
CORPS OF ENGINEERS
NEW ENGLAND DIVISION

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Probe No. FP-83- Desig. U-26 Diam. Probe ROD AW-1 3/4"D

Coordinates: N E

10/5/83

Elevation +9.0' of Water Surface M.L.W.

Elevation Top of Probe -33.6' M.L.W.

Elevation Top of Refusal -38.0' M.L.W.

Elevation Bottom of Probe -38.0' M.L.W.

Total Depth of Probe 5' Feet

Hammer Wt. 300# Probe Started 12:10

Hammer Drop 18" Probe Completed 12:25

Drilled by R. Seymour Soil Exploration Corp

Mfg. Des. Drill ACKER ACE

Inspected by: Peter Beblowski

Depth 1"= 5'	Blows Per Foot	PROBING OPERATIONS	CLASSIFICATION OF MATERIALS
	7 12 13 31 63	Med. stiff to stiff Hard	Clean probe & rods
5'		Refusal at -38.0' 50/0"	

GENERAL REMARKS

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Probe No. FP-83-U-27 Desig. U-27 Diam. Probe ROD AW-1 3/4"D

Coordinates: N _____ E _____

10/5/83

Elevation +9.5' of Water Surface M.L.W.

Elevation Top of Probe -34.5' M.L.W.

Elevation Top of Refusal -39.5' M.L.W.

Elevation Bottom of Probe -39.5' M.L.W.

Total Depth of Probe 5' Feet

Hammer Wt. 300# Probe Started 11:35

Hammer Drop 18" Probe Completed 11:50

D. Campbell

Drilled by Soil Exploration Corp.

Mfg. Des. Drill ACKER ACE

Inspected by: Peter Beblowski

Depth 1"= 5'	Blows Per Foot	PROBING OPERATIONS	CLASSIFICATION OF MATERIALS
	2	Soft	Observed greenish colored silt on O.E. rod upon completion of probe
	21 29	Hard	
5'	62 94	Very hard	
		Refusal at -39.5'	

GENERAL REMARKS

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Probe No. FP-83-U-28 Desig. U-28 Diam. Probe ROD AW-1 3/4"D

Coordinates: N _____ E _____

Elevation +7.5' of Water Surface M.L.W.

Elevation Top of Probe -34.5' M.L.W.

Elevation Top of Refusal -38.5' M.L.W.

Elevation Bottom of Probe -38.5' M.L.W.

Total Depth of Probe 4 Feet

Hammer Wt. 300# Probe Started 12:35

Hammer Drop 18" Probe Completed 12:50

Drilled by R. Seymour Soil Exploration Corp.

Mfg. Des. Drill ACKER ACE

Inspected by: Peter Beblowski

Depth 1"= 5'	Blows Per Foot	PROBING OPERATIONS	CLASSIFICATION OF MATERIALS
4'	8 16 17 29	Med. stiff to very stiff	
		Refusal at -38.5' 50/0"	

GENERAL REMARKS

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Probe No. FP-83-U-29 Desig. U-29 Diam. Probe ROD AW-1 3/4"D

Coordinates: N _____ E _____

10/5/83

Elevation +8.25' of Water Surface M.L.W.

Elevation Top of Probe -34.75' M.L.W.

Elevation Top of Refusal ---- M.L.W.

Elevation Bottom of Probe -41.75' M.L.W.

Total Depth of Probe 7' Feet

Hammer Wt. 300# Probe Started _____

Hammer Drop 18" Probe Completed _____

D. Campbell

Drilled by Soil Exploration Corp.

Mfg. Des. Drill ACKER ACE

Inspected by: Peter Beblowski

Depth 1"= 5'	Blows Per Foot	PROBING OPERATIONS	CLASSIFICATION OF MATERIALS
	9	Stiff	Rods were clean
	1 WOH	Soft	
	8	Stiff	
5'	57	Very hard	
	40	Hard	
7'	53	Very hard	
		Probe ended at -41.75	

GENERAL REMARKS

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Probe No. FP-83-U-30 Desig. U-30 Diam. Probe ROD AW-1 3/4"D

Coordinates: N _____ E _____

10/5/83

Elevation +7.5' of Water Surface M.L.W.

Elevation Top of Probe -36.5' M.L.W.

Elevation Top of Refusal --- M.L.W.

Elevation Bottom of Probe -40.5' M.L.W.

Total Depth of Probe 4' Feet

Hammer Wt. 300# Probe Started 12:45

Hammer Drop 18" Probe Completed 12;55

Drilled by D. Campbell Sail Exploration Corp

Mfg. Des. Drill ACKER ACE

Inspected by: Peter Beblowski

Depth 1"= 5'	Blows Per Foot	PROBING OPERATIONS	CLASSIFICATION OF MATERIALS
	4	Med. stiff	Rods were clean
	WOH 1	Soft	
4'	5	Med. stiff	
		Probe ended at -40.5'	

GENERAL REMARKS

ATTACHMENT 2

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FIELD LOG OF TEST PROBE

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Probe No. FP-83-V-6 Desig. V-6 Diam. Probe ROD AW-1 3/4"D

Coordinates: N _____ E _____

10/6/83

Elevation +10.0' of Water Surface M.L.W.

Elevation Top of Probe -49.0' M.L.W.

Elevation Top of Refusal ---- M.L.W.

Elevation Bottom of Probe -49.0' M.L.W.

Total Depth of Probe ---- Feet

Hammer Wt. 300# Probe Started 11:45

Hammer Drop 18" Probe Completed 11:50

Drilled by D. Campbell Soil Exploration Corp.

Mfg. Des. Drill ACKER ACE

Inspected by: Peter Beblowski

Depth 1"=	Blows Per Foot	PROBING OPERATIONS	CLASSIFICATION OF MATERIALS
		Probe ended at -49.0'	

GENERAL REMARKS

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Probe No. FP-83-V-7 Desig. V-7 Diam. Probe ROD AW-1 3/4"D

Coordinates: N _____ E _____

10/4/83

Elevation +7.5' of Water Surface M.L.W.

Elevation Top of Probe -19.5' M.L.W.

Elevation Top of Refusal -19.5' M.L.W.

Elevation Bottom of Probe -19.5' M.L.W.

Total Depth of Probe 0" Feet

Hammer Wt. 300# Probe Started 11:50

Hammer Drop 18" Completed 12:00

D. Campbell

Drilled by Soil Exploration Corp.

Mfg. Des. Drill ACKER ACE

Inspected by: Peter Beblowski

Depth 1"=	Blows Per Foot	PROBING OPERATIONS	CLASSIFICATION OF MATERIALS
		Bouncing refusal at -19.5'	

GENERAL REMARKS

ATTACHMENT 2

U. S. ARMY
CORPS OF ENGINEERS
NEW ENGLAND DIVISION

FIELD LOG OF TEST PROBE

Site Portsmouth Harbor N.H.& ME Page 1 of 1 Pages

Probe No. FP-83-V-9 Desig. V-9 Diam. Probe ROD AW-1 3/4"D

Coordinates: N ∴ E

10/4/83

Elevation +8.5' of Water Surface M.L.W.

Elevation Top of Probe -11.25' M.L.W.

Elevation Top of Refusal -11.25 M.L.W.

Elevation Bottom of Probe -11.25' M.L.W.

Total Depth of Probe 0" Feet

Hammer Wt. 300# Probe Started 10:45

Hammer Drop 18" Probe Completed 11:00

Drilled by D. Campbell ~~Soil Exploration Corp.~~

Mfg. Des. Drill ACKER ACE

Inspected by: Peter Beblowski

Depth 1"= 5'	Blows Per Foot	PROBING OPERATIONS	CLASSIFICATION OF MATERIALS
		Bouncing refusal at -11.5'	Rods were clean

GENERAL REMARKS

ATTACHMENT 2

U. S. ARMY
CORPS OF ENGINEERS
NEW ENGLAND DIVISION

FIELD LOG OF TEST PROBE

Site Portsmouth Harbor N.H.& ME Page 1 of 1 Pages

Probe No. FP-83-V-10 Desig. V-10 Diam. Probe ROD AW-1 3/4"D

Coordinates: N _____ E _____

10/4/83

Elevation +8.75' of Water Surface M.L.W.

Elevation Top of Probe -15.25' M.L.W.

Elevation Top of Refusal -18.25' M.L.W.

Elevation Bottom of Probe -18.25' M.L.W.

Total Depth of Probe 3' Feet

Hammer Wt. 300# Probe Started 10:10

Hammer Drop 18" Probe Completed 10:30

D. Campbell

Drilled by Soil Exploration Corp.

Mfg. Des. Drill ACKER ACE

Inspected by: Peter Beblowski

Depth 1"= 5'	Blows Per Foot	PROBING OPERATIONS	CLASSIFICATION OF MATERIALS
	31	Hard	Rods were clean
	15	Stiff	
3'	80	Very hard	
		Solid refusal at -18.25'	

GENERAL REMARKS

ATTACHMENT 2

U. S. ARMY
CORPS OF ENGINEERS
NEW ENGLAND DIVISION

FIELD LOG OF TEST PROBE

Site Portsmouth Harbor N.H.& ME Page 1 of 1 Pages

Probe No. FP-83-V-11 Desig. V-11 Diam. Probe ROD AW-1 3/4"D

Coordinates: N E

10/4/83

Elevation +8.5' of Water Surface M.L.W.

Elevation Top of Probe -22.25' M.L.W.

Elevation Top of Refusal -23.75' M.L.W.

Elevation Bottom of Probe -23.75' M.L.W.

Total Depth of Probe 1.5' Feet

Hammer Wt. 300# Probe Started 9:30

Hammer Drop 18" Probe Completed 9:50

Drilled by D. Campbell Soil Exploration Corp.

Mfg. Des. Drill ACKER ACE

Inspected by: Peter Beblowski

Depth 1"= 5'	Blows Per Foot	PROBING OPERATIONS	CLASSIFICATION OF MATERIALS
1.5'	4 ~~12~~	Med. stiff ~~Very hard~~ Bouncing refusal at -23.75'	Rods were clean.

GENERAL REMARKS

ATTACHMENT 2

U. S. ARMY
CORPS OF ENGINEERS
NEW ENGLAND DIVISION

FIELD LOG OF TEST PROBE

Site Portsmouth Harbor N.H.& ME Page 1 of 1 Pages

Probe No. FP-83-V-12 Desig. V-12 Diam. Probe ROD AW-1 3/4"D

Coordinates: N _____ E _____

10/4/83

Elevation +8.5' of Water Surface M.L.W.

Elevation Top of Probe -23.5' M.L.W.

Elevation Top of Refusal -30.5' M.L.W.

Elevation Bottom of Probe -30.5' M.L.W.

Total Depth of Probe 7' Feet

Hammer Wt. 300# Probe Started 8:50

Hammer Drop 18" Probe Completed 9:20

Drilled by D. Campbell Soil Exploration Corp.

Mfg. Des. Drill ACKER ACE

Inspected by: Peter Beblowski

Depth 1"= 5'	Blows Per Foot	PROBING OPERATIONS	CLASSIFICATION OF MATERIALS
	21		
	19		
	26	Very stiff	
	24		
	22		
5'			Rods were clean
	76	Very hard	
7'	69	Very hard	
		Bouncing refusal at -30.5'	

GENERAL REMARKS

ATTACHMENT 2

U. S. ARMY
CORPS OF ENGINEERS
NEW ENGLAND DIVISION

FIELD LOG OF TEST PROBE

Site Portsmouth Harbor N.H.& ME Page 1 of 1 Pages

Probe No. FP-83-V-13 Desig. V-13 Diam. Probe ROD AW-1 3/4"D

Coordinates: N _____ E _____

10/4/83

Elevation -.25' of Water Surface M.L.W.

Elevation Top of Probe -23.25' M.L.W.

Elevation Top of Refusal ~~-28.25'~~ M.L.W.

Elevation Bottom of Probe -28.25' M.L.W.

Total Depth of Probe 5' Feet

Hammer Wt. 300# Probe Started 4:30

Hammer Drop 18" Probe Completed 4:40

Drilled by R. Seymour Soil Exploration Corp.

Mfg. Des. Drill ACKER ACE

Inspected by: Peter Beblowski

Depth 1"= 5'	Blows Per Foot	PROBING OPERATIONS	CLASSIFICATION OF MATERIALS
	2	Very soft	
	9		
	12		
	16		
5'	19	Med. stiff to stiff	Clean probe & rods
		Refusal at -28.25' 50/0"	

GENERAL REMARKS

ATTACHMENT 2

U. S. ARMY
CORPS OF ENGINEERS
NEW ENGLAND DIVISION

FIELD LOG OF TEST PROBE

Site Portsmouth Harbor N.H.& ME Page 1 of I Pages

Probe No. FP-83-V-14 Desig. V-14 Diam. Probe ROD AW-1 3/4"D

Coordinates: N _____ E _____

10/4/83

Elevation -.5' of Water Surface M.L.W.

Elevation Top of Probe -22.5' M.L.W.

Elevation Top of Refusal -33.5' M.L.W.

Elevation Bottom of Probe -33.5' M.L.W.

Total Depth of Probe 11' Feet

Hammer Wt. 300# Probe Started 4:15

Hammer Drop 18" Probe Completed 4:25

Drilled by R. Seymour Soil Exploration Corp.

Mfg. Des. Drill ACKER ACE

Inspected by: Peter Beblowski

Depth 1"= 5'	Blows Per Foot	PROBING OPERATIONS	CLASSIFICATION OF MATERIALS
	2		
	1		
	3	Very soft	
	2		
	8		
5'			
	12		
	17		
	22	Med. stiff to very	
	21	stiff	
	28		Clean probe & rods upon completion.
10'			
11'	30		
		Refusal at -33.50'	

GENERAL REMARKS

ATTACHMENT 2

U. S. ARMY
CORPS OF ENGINEERS
NEW ENGLAND DIVISION

FIELD LOG OF TEST PROBE

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Probe No. ~~FP-83-~~ V-15 Desig. V-15 Diam. Probe ROD AW-1 3/4"D

Coordinates: N _____ E _____

10/4/83

Elevation -0.75' of Water Surface M.L.W.

Elevation Top of Probe -25.25 M.L.W.

Elevation Top of Refusal -36.25' M.L.W.

Elevation Bottom of Probe -36.25' M.L.W.

Total Depth of Probe 11' Feet

Hammer Wt. 300# Probe Started 3:50

Hammer Drop 18" Probe Completed 4:05

Drilled by R. Seymour Soil Exploration Corp.

Mfg. Des. Drill ACKER ACE

Inspected by: Peter Beblowski

Depth 1"= 5'	Blows Per Foot	PROBING OPERATIONS	CLASSIFICATION OF MATERIALS
	1		
	2	Very soft	
	15		
	21		
	14		
5'			
	29	Stiff to very stiff	
	25		
	25		
	27		
	31		Some silt and sand on rods
10'			
11'	46	Hard	
		Refusal at -36.25'	

GENERAL REMARKS

ATTACHMENT 2

U. S. ARMY
CORPS OF ENGINEERS
NEW ENGLAND DIVISION

FIELD LOG OF TEST PROBE

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Probe No. FP-83-V-16 Desig. V-16 Diam. Probe ROD AW-1 3/4"D

Coordinates: N _____ E _____

10/4/83

Elevation -0.5' of Water Surface M.L.W.

Elevation Top of Probe -28.5' M.L.W.

Elevation Top of Refusal -32.5' M.L.W.

Elevation Bottom of Probe -32.5' M.L.W.

Total Depth of Probe 4' Feet

Hammer Wt. 300# Probe Started 4:00

Hammer Drop 18" Probe Completed 4:15

Drilled by D. Campbell Soil Exploration Corp.

Mfg. Des. Drill ACKER ACE

Inspected by: Peter Beblowski

Depth 1"= 5'	Blows Per Foot	PROBING OPERATIONS	CLASSIFICATION OF MATERIALS
	WOH	Soft	
	2		
	22	Very stiff	Rods were clean
4'	53	Very hard	
		Refusal at -32.5'	

GENERAL REMARKS

ATTACHMENT 2

U. S. ARMY
CORPS OF ENGINEERS
NEW ENGLAND DIVISION

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Probe No. FP-83-V-17 Desig. V-17 Diam. Probe ROD AW-1 3/4"D

Coordinates: N ∴ E

10/4/83

Elevation -0.25' of Water Surface M.L.W.

Elevation Top of Probe -30.75' M.L.W.

Elevation Top of Refusal ----- M.L.W.

Elevation Bottom of Probe -40.75' M.L.W.

Total Depth of Probe 10' Feet

Hammer Wt. 300# Probe Started 4:25

Hammer Drop 18" Probe Completed 4:45

Drilled by D. Campbell Soil Exploration Corp

Mfg. Des. Drill ACKER ACE

Inspected by: Peter Beblowski

Depth 1"= 5'	Blows Per Foot	PROBING OPERATIONS	CLASSIFICATION OF MATERIALS
	1	Soft	Rods were clean
	10	Stiff	
	4 6	Med. stiff	
	10	Stiff	
5'	7	Med. stiff	
	12	Stiff	
	20 17	Very stiff	
10'	23		
		Probe ended at -40.75'	

GENERAL REMARKS

ATTACHMENT 2

U. S. ARMY
CORPS OF ENGINEERS
NEW ENGLAND DIVISION

FIELD LOG OF TEST PROBE

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Probe No. FP-83-V-18 Desig. V-18 Diam.Probe ROD AW-1 3/4"D

Coordinates: N ____ E ____

10/4/83

Elevation +0.5' of Water Surface M.L.W.

Elevation Top of Probe -30.5' M.L.W.

Elevation Top of Refusal ---- M.L.W.

Elevation Bottom of Probe -40.5' M.L.W.

Total Depth of Probe 10 Feet

Hammer Wt. 300# Probe Started 5:00

Hammer Drop 18" Probe Completed 5:15

D. Campbell

Drilled by Soil Exploration Corp

Mfg. Des.Drill ACKER ACE

Inspected by: Peter Beblowski

Depth 1"= 5'	Blows Per Foot	PROBING OPERATIONS	CLASSIFICATION OF MATERIALS
	WOH		
	2	Soft	Rods were clean
	3		
	2		
5'	6	Med. stiff	
	8		
	10	Stiff	
	20		
	25	Very stiff	
10'	33	Hard	
		Probe ended at -40.5'	

GENERAL REMARKS

ATTACHMENT 2

U. S. ARMY
CORPS OF ENGINEERS
NEW ENGLAND DIVISION

FIELD LOG OF TEST PROBE

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Probe No. FP-83-V-19 Desig. V-19 Diam. Probe ROD AW-1 3/4"D

Coordinates: N _____ E _____

10/5/83

Elevation +9.75' of Water Surface M.L.W.

Elevation Top of Probe -32.25' M.L.W.

Elevation Top of Refusal --- M.L.W.

Elevation Bottom of Probe -40.25' M.L.W.

Total Depth of Probe 5' Feet

Hammer Wt. 300# Probe Started 10:25

Hammer Drop 18" Probe Completed 10:35

Drilled by R. Seymour Soil Exploration Corp.

Mfg. Des. Drill ACKER ACE

Inspected by: Peter Beblowski

Depth 1"= 5'	Blows Per Foot	PROBING OPERATIONS	CLASSIFICATION OF MATERIALS
5'	WOH WOH WOH WOH WOH	Very soft	Clean probe & rods
		Probe ended at -40.25'	

GENERAL REMARKS

ATTACHMENT 2

U. S. ARMY
CORPS OF ENGINEERS
NEW ENGLAND DIVISION

FIELD LOG OF TEST PROBE

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Probe No. FP-83-V-20 Desig. V-20 Diam. Probe ROD AW-1 3/4"D

Coordinates: N _____ E _____

10/5/83

Elevation +9.25' of Water Surface M.L.W.

Elevation Top of Probe -33.75' M.L.W.

Elevation Top of Refusal ---- M.L.W.

Elevation Bottom of Probe -40.75' M.L.W.

Total Depth of Probe 7' Feet

Hammer Wt. 300# Probe Started 10:00

Hammer Drop 18" Probe Completed 10:10

Drilled by R. Seymour Soil Exploration Corp

Mfg. Des. Drill ACKER ACE

Inspected by: Peter Beblowski

Depth 1"= 5'	Blows Per Foot	PROBING OPERATIONS	CLASSIFICATION OF MATERIALS
	WOH WOH WOH WOH WOH	Very soft	clean probe & rods
5'			
	WOH		
7'	WOH		
		Probe ended at -40.75	

GENERAL REMARKS

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U. S. ARMY
CORPS OF ENGINEERS
NEW ENGLAND DIVISION

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Probe No. FP-83-V-21 Desig. V-21 Diam. Probe ROD AW-1 3/4"D

Coordinates: N _____ E _____

10/5/83

Elevation +9.0' of Water Surface M.L.W.

Elevation Top of Probe -35.0' M.L.W.

Elevation Top of Refusal ---- M.L.W.

Elevation Bottom of Probe -40.0' M.L.W.

Total Depth of Probe 5' Feet

Hammer Wt. 300# Probe Started 9:45

Hammer Drop 18" Probe Completed 9:50

Drilled by R. Seymour Soil Exploration Comp

Mfg. Des. Drill ACKER ACE

Inspected by: Peter Beblowski

Depth 1"= 5'	Blows Per Foot	PROBING OPERATIONS	CLASSIFICATION OF MATERIALS
5'	WOH WOH WOH WOH WOH	Very soft	Clean probe & rods
		Probe ended at -40.0'	

GENERAL REMARKS

ATTACHMENT 2

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CORPS OF ENGINEERS
NEW ENGLAND DIVISION

FIELD LOG OF TEST PROBE

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Probe No. FP-83-V-22 Desig. V-22 Diam. Probe ROD AW-1 3/4"D

Coordinates: N _____ E _____

10/5/83

Elevation +8.25 of Water Surface M.L.W.

Elevation Top of Probe -37.75' M.L.W.

Elevation Top of Refusal _____ M.L.W.

Elevation Bottom of Probe -42.75' M.L.W.

Total Depth of Probe 5' Feet

Hammer Wt. 300# Probe Started 9:20

Hammer Drop 18" Probe Completed 9:30

Drilled by R. Seymour Soil Exploration Corp.

Mfg. Des. Drill ACKER ACE

Inspected by: Peter Beblowski

Depth 1"= 5'	Blows Per Foot	PROBING OPERATIONS	CLASSIFICATION OF MATERIALS
5'	WOH WOH WOH WOH WOH	Very soft	Clean probe & rods
		Probe ended at -42.75'	

GENERAL REMARKS

ATTACHMENT 2

U. S. ARMY
CORPS OF ENGINEERS
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Probe No. FP-83-V-23 Desig. V-23 Diam. Probe ROD AW-1 3/4"D

Coordinates: N _____ E _____

10/5/83

Elevation +7.5' of Water Surface M.L.W.

Elevation Top of Probe -40.0' M.L.W.

Elevation Top of Refusal ---- M.L.W.

Elevation Bottom of Probe -40.0' M.L.W.

Total Depth of Probe 0' Feet

Hammer Wt. 300# Probe Started 8:50

Hammer Drop 18" Probe Completed 9:00

Drilled by R. Seymour Soil Exploration Corp.

Mfg. Des. Drill ACKER ACE

Inspected by: Peter Beblowski

Depth 1"=	Blows Per Foot	PROBING OPERATIONS	CLASSIFICATION OF MATERIALS
		Lowered probe & rods to -40.0'	Clean probe and rods upon completion.

GENERAL REMARKS

ATTACHMENT 2

U. S. ARMY
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Probe No. FP-83-V-24 Desig. V-24 Diam.Probe ROD AW-1 3/4"D

Coordinates: N _____ E _____

10/5/83

Elevation +6.0' of Water Surface M.L.W.

Elevation Top of Probe -43.5' M.L.W.

Elevation Top of Refusal --- M.L.W.

Elevation Bottom of Probe -43.5' M.L.W.

Total Depth of Probe 0' Feet

Hammer Wt. 300# Probe Started 8:15

Hammer Drop 18" Probe Completed 8:20

Drilled by D. Campbell Soil Exploration Corp.

Mfg. Des.Drill ACKER ACE

Inspected by: Peter Beblowski

Depth 1"=	Blows Per Foot	PROBING OPERATIONS	CLASSIFICATION OF MATERIALS
		Probe rods lowered to -43.5'	

GENERAL REMARKS

ATTACHMENT 2

U. S. ARMY
CORPS OF ENGINEERS
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Probe No. FP-83-V-25 Desig. V-25 Diam. Probe ROD AW-1 3/4"D

Coordinates: N _____ E _____

10/5/83

Elevation +5.0' of Water Surface M.L.W.

Elevation Top of Probe -39.0' M.L.W.

Elevation Top of Refusal ____ M.L.W.

Elevation Bottom of Probe -41.0' M.L.W.

Total Depth of Probe 2' Feet

Hammer Wt. 300# Probe Started 2:00

Hammer Drop 18" Probe Completed 2:15

R. Seymour

Drilled by Soil Exploration Corp.

Mfg. Des. Drill ACKER ACE

Inspected by: Peter Beblowski

Depth 1"= 5'	Blows Per Foot	PROBING OPERATIONS	CLASSIFICATION OF MATERIALS
	WOH WOH	Very soft	Clean probe & rods
2'		Probe ended at -40.0'	

GENERAL REMARKS

ATTACHMENT 2

U. S. ARMY
CORPS OF ENGINEERS
NEW ENGLAND DIVISION

FIELD LOG OF TEST PROBE

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Probe No. FP-83-V-28 Desig. V-28 Diam. Probe ROD AW-1 3/4"D

Coordinates: N _____ E _____

10/5/83

Elevation +2.5' of Water Surface M.L.W.

Elevation Top of Probe -46.5' M.L.W.

Elevation Top of Refusal ---- M.L.W.

Elevation Bottom of Probe -46.5' M.L.W.

Total Depth of Probe 0' Feet

Hammer Wt. 300# Probe Started 3:45

Hammer Drop 18" Probe Completed 3:55

Drilled by D. Campbell ~~Soil Exploration Corp.~~

Mfg. Des. Drill ACKER ACE

Inspected by: Peter Beblowski

Depth 1"=	Blows Per Foot	PROBING OPERATIONS	CLASSIFICATION OF MATERIALS
		Probe ended at -46.5'	

GENERAL REMARKS

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Probe No. FP-83-V-29 Desig. V-29 Diam. Probe ROD AW-1 3/4"D

Coordinates: N ____ E ____

10/5/83

Elevation +3.25 of Water Surface M.L.W.

Elevation Top of Probe -46.75' M.L.W.

Elevation Top of Refusal ----- M.L.W.

Elevation Bottom of Probe -46.75' M.L.W.

Total Depth of Probe 0' Feet

Hammer Wt. 300# Probe Started 2:30

Hammer Drop 18" Probe Completed 2:40

Drilled by D. Campbell Soil Exploration Corp.

Mfg. Des. Drill ACKER ACE

Inspected by: Peter Beblowski

Depth 1"=	Blows Per Foot	PROBING OPERATIONS	CLASSIFICATION OF MATERIALS
		Probe ended at -46.75'	

GENERAL REMARKS

50' of water to bottom

ATTACHMENT 2

U. S. ARMY
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FIELD LOG OF TEST PROBE

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Probe No. FP-83-V-30 Desig. V-30 Diam. Probe ROD AW-1 3/4"D

Coordinates: N ____ E ____

Elevation +5.0' of Water Surface M.L.W.

Elevation Top of Probe -48.0' M.L.W.

Elevation Top of Refusal ---- M.L.W.

Elevation Bottom of Probe -48.0' M.L.W.

Total Depth of Probe 0' Feet

Hammer Wt. 300# Probe Started 2:00

Hammer Drop 18" Probe Completed 2:10

Drilled by D. Campbell Soil Exploration Corp.

Mfg. Des. Drill ACKER ACE

Inspected by: Peter Beblowski

Depth 1"=	Blows Per Foot	PROBING OPERATIONS	CLASSIFICATION OF MATERIALS
		Probe ended at -48.0'	
		(53' of water)	

GENERAL REMARKS

ATTACHMENT 2

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Probe No. FP-83-W-12 Desig. W-12 Diam.Probe ROD AW-1 3/4"D

Coordinates: N ____ E ____

Elevation +5.0' of Water Surface M.L.W.

Elevation Top of Probe -27.5' M.L.W.

Elevation Top of Refusal -28.5' M.L.W.

Elevation Bottom of Probe -28.5' M.L.W.

Total Depth of Probe 1' Feet

Hammer Wt. 300# Probe Started 12:30

Hammer Drop 18" Probe Completed 12:46

Drilled by R. Seymour Soil Exploration Corp.

Mfg. Des.Drill ACKER ACE

Inspected by: Peter Beblowski

Depth 1"= 5'	Blows Per Foot	PROBING OPERATIONS	CLASSIFICATION OF MATERIALS
1'	32	Hard	Possible boulder
		Refusal at -28.5' 50/0"	Clean probe and rods

GENERAL REMARKS

ATTACHMENT 2

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CORPS OF ENGINEERS
NEW ENGLAND DIVISION

FIELD LOG OF TEST PROBE

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Probe No. FP-83-W-13 Desig. W-13 Diam. Probe ROD AW-1 3/4"D

Coordinates: N _____ E _____

Elevation +4.0' of Water Surface M.L.W.

Elevation Top of Probe -32.0' M.L.W.

Elevation Top of Refusal --- M.L.W.

Elevation Bottom of Probe -40.0' M.L.W.

Total Depth of Probe 8' Feet

Hammer Wt. 300# Probe Started 12:10

Hammer Drop 18" Probe Completed 12:20

Drilled by R. Seymour Soil Exploration Corp.

Mfg. Des. Drill ACKER ACE

Inspected by: Peter Beblowski

Depth 1"= 5'	Blows Per Foot	PROBING OPERATIONS	CLASSIFICATION OF MATERIALS
	WOH		
	WOH	Very soft	
	WOH		
	17		
	19		
5'			
	21	Very stiff	Clean probe and rods upon completion.
	16		
8'	28		
		Probe ended at -40.0'	

GENERAL REMARKS

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U. S. ARMY
CORPS OF ENGINEERS
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Probe No. FP-83-W-14 Desig. W-14 Diam. Probe ROD AW-1 3/4"D

Coordinates: N _____ E _____

Elevation +3.0' of Water Surface M.L.W.

Elevation Top of Probe -31.5' M.L.W.

Elevation Top of Refusal --- M.L.W.

Elevation Bottom of Probe -40.5' M.L.W.

Total Depth of Probe 9' Feet

Hammer Wt. 300# Probe Started 11:40

Hammer Drop 18" Probe Completed 12:05

Drilled by R. Seymour Soil Exploration Corp.

Mfg. Des. Drill ACKER ACE

Inspected by: Peter Beblowski

Depth 1"= 5'	Blows Per Foot	PROBING OPERATIONS	CLASSIFICATION OF MATERIALS
	3		
	4	Soft	
	7		
	19		
	23		
5'			
	29	Very stiff to hard	Some silt and sand on probe
	39		
	47		
9'	51		
		Probe ended at -40.5'	

GENERAL REMARKS

ATTACHMENT 2

U. S. ARMY
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NEW ENGLAND DIVISION

FIELD LOG OF TEST PROBE

Site Portsmouth Harbor N.H.& ME Page 1 of 1 Pages

Probe No. FP-83-W-15 Desig. W-15 Diam. Probe ROD AW-1 3/4"D

Coordinates: N _____ E _____

10/11/83

Elevation +3.0' of Water Surface M.L.W.

Elevation Top of Probe -31.0' M.L.W.

Elevation Top of Refusal ----- M.L.W.

Elevation Bottom of Probe -40.0' M.L.W.

Total Depth of Probe 9' Feet

Hammer Wt. 300# Probe Started 11:45

Hammer Drop 18" Probe Completed 12:00

D. Campbell

Drilled by Soil Exploration Corp.

Mfg. Des. Drill ACKER ACE

Inspected by: Peter Beblowski

Depth 1"= 5'	Blows Per Foot	PROBING OPERATIONS	CLASSIFICATION OF MATERIALS
	WOH	Soft	Observed on rods: Green silt, some fine sand, few broken shells.
	1		
	17	Very stiff	
	46	Hard	
5'	51	Very hard	
	41	Hard	
	56	Very hard	
9'	31	Hard	
	40		
		Probe ended at -40.0'	

GENERAL REMARKS

ATTACHMENT 2

U. S. ARMY
CORPS OF ENGINEERS
NEW ENGLAND DIVISION

FIELD LOG OF TEST PROBE

Site Portsmouth Harbor N.H.& ME Page 1 of 1 Pages

Probe No. FP-83-W-16 Desig. W-16 Diam. Probe ROD AW-1 3/4"D

Coordinates: N _____ E _____

10/11/83

Elevation +4.0' of Water Surface M.L.W.

Elevation Top of Probe -34.0' M.L.W.

Elevation Top of Refusal --- M.L.W.

Elevation Bottom of Probe -40.0' M.L.W.

Total Depth of Probe 6' Feet

Hammer Wt. 300# Probe Started 12:05

Hammer Drop 18" Probe Completed 12:15

D. Campbell

Drilled by Soil Exploration Corp.

Mfg. Des. Drill ACKER ACE

Inspected by: Peter Beblowski

Depth 1"= 5'	Blows Per Foot	PROBING OPERATIONS	CLASSIFICATION OF MATERIALS
	WOH	Soft	Rods were clean
	15		
	17	Very stiff	
	19		
5'	41	Hard	
6'	59	Very hard	
		Probe ended at -40'	

GENERAL REMARKS

ATTACHMENT 2

U. S. ARMY
CORPS OF ENGINEERS
NEW ENGLAND DIVISION

FIELD LOG OF TEST PROBE

Site Portsmouth Harbor N.H.& ME Page 1 of 1 Pages

Probe No. FP-83-W-17 Desig. W-17 Diam. Probe ROD AW-1 3/4"D

Coordinates: N _____ E _____

10/11/83

Elevation +5.0' of Water Surface M.L.W.

Elevation Top of Probe -36.0' M.L.W.

Elevation Top of Refusal none M.L.W.

Elevation Bottom of Probe -40.0' M.L.W.

Total Depth of Probe 4' Feet

Hammer Wt. 300# Probe Started 12:30

Hammer Drop 18" Probe Completed 12:40

D. Campbell

Drilled by Soil Exploration Corp.

Mfg. Des. Drill ACKER ACE

Inspected by: Peter Beblowski

Depth 1"= 5'	Blows Per Foot	PROBING OPERATIONS	CLASSIFICATION OF MATERIALS
	WOH	Soft	
	4	Med. stiff	
4'	WOH 1	Soft	Rods were clean upon completion.
		Probe ended at -40.0'	

GENERAL REMARKS

ATTACHMENT 2

U. S. ARMY
CORPS OF ENGINEERS
NEW ENGLAND DIVISION

FIELD LOG OF TEST PROBE

Site Portsmouth Harbor N.H.& ME Page 1 of 1 Pages

Probe No. FP-83-W-18 Desig. W-18 Diam. Probe ROD AW-1 3/4"D

Coordinates: N _____ E _____

10/11/83

Elevation +7.0' of Water Surface M.L.W.

Elevation Top of Probe -37.75' M.L.W.

Elevation Top of Refusal ---- M.L.W.

Elevation Bottom of Probe -40.75' M.L.W.

Total Depth of Probe 3' Feet

Hammer Wt. 300# Probe Started 1:40

Hammer Drop 18" Probe Completed 1:50

R. Seymour

Drilled by Soil Exploration Corp.

Mfg. Des. Drill ACKER ACE

Inspected by: Peter Beblowski

Depth 1"= 5'	Blows Per Foot	PROBING OPERATIONS	CLASSIFICATION OF MATERIALS
3'	WOH WOH WOH	Very soft	Clean probe and rods upon completion.
		Probe ended at -40.75'	

GENERAL REMARKS

ATTACHMENT 2

U. S. ARMY
CORPS OF ENGINEERS
NEW ENGLAND DIVISION

FIELD LOG OF TEST PROBE

Site Portsmouth Harbor N.H.& ME Page 1 of 1 Pages

Probe No. FP-83- Desig. W-19 Diam. Probe ROD AW-1 3/4"D

Coordinates: W-19 N _____ E _____

10/11/83

Elevation +7.0' of Water Surface M.L.W.

Elevation Top of Probe -39.0' M.L.W.

Elevation Top of Refusal ---- M.L.W.

Elevation Bottom of Probe -40.0' M.L.W.

Total Depth of Probe 1' Feet

Hammer Wt. 300# Probe Started 1:55

Hammer Drop 18" Probe Completed 2:05

D. Campbell

Drilled by Soil Exploration Corp.

Mfg. Des. Drill ACKER ACE

Inspected by: Peter Beblowski

Depth 1"= 5'	Blows Per Foot	PROBING OPERATIONS	CLASSIFICATION OF MATERIALS
1'	WOH	Soft	Rods were clean upon completion
		Probe ended at -40.0'	

GENERAL REMARKS

ATTACHMENT 2

U. S. ARMY
CORPS OF ENGINEERS
NEW ENGLAND DIVISION

FIELD LOG OF TEST PROBE

Site Portsmouth Harbor N.H.& ME Page 1 of 1 Pages

Probe No. FP-83-X-7 Desig. X-7 Diam.Probe ROD AW-1 3/4"D

Coordinates: N _____ E _____

10/6/83

Elevation +8.5' of Water Surface M.L.W.

Elevation Top of Probe -52.0' M.L.W.

Elevation Top of Refusal _____ M.L.W.

Elevation Bottom of Probe -54.0' M.L.W.

Total Depth of Probe 2' Feet

Hammer Wt. 300# Probe Started 1:15

Hammer Drop 18" Probe Completed 1:20

Drilled by D. Campbell Soil Exploration Corp.

Mfg. Des.Drill ACKER ACE

Inspected by: Peter Beblowski

Depth 1"= 5'	Blows Per Foot	PROBING OPERATIONS	CLASSIFICATION OF MATERIALS
2'	WOH WOH	Soft	Rods were clean
		Probe ended at -54.0'	

GENERAL REMARKS

ATTACHMENT 2

U. S. ARMY
CORPS OF ENGINEERS
NEW ENGLAND DIVISION

FIELD LOG OF TEST PROBE

Site Portsmouth Harbor N.H.& ME Page 1 of 1 Pages

Probe No. FP-83-X-8 Desig. X-8 Diam. Probe ROD AW-1 3/4"D

Coordinates: N _____ E _____

10/6/83

Elevation +8.75' of Water Surface M.L.W.

Elevation Top of Probe -43.25' M.L.W.

Elevation Top of Refusal ----- M.L.W.

Elevation Bottom of Probe -43.25' M.L.W.

Total Depth of Probe ------ Feet

Hammer Wt. 300# Probe Started 1:05

Hammer Drop 18" Probe Completed 1:10

Drilled by D. Campbell Soil Exploration Corp.

Mfg. Des. Drill ACKER ACE

Inspected by: Peter Beblowski

Depth 1"=	Blows Per Foot	PROBING OPERATIONS	CLASSIFICATION OF MATERIALS
		Probe ended at -43.25'	

GENERAL REMARKS

ATTACHMENT 2

U. S. ARMY
CORPS OF ENGINEERS
NEW ENGLAND DIVISION

FIELD LOG OF TEST PROBE

Site Portsmouth Harbor N.H.& ME Page 1 of 1 Pages

Probe No. FP-83-X-9 Desig. X-9 Diam. Probe ROD AW-1 3/4"D

Coordinates: N _____ E _____

10/6/83

Elevation +9.0' of Water Surface M.L.W.

Elevation Top of Probe -36.5' M.L.W.

Elevation Top of Refusal -36.5' M.L.W.

Elevation Bottom of Probe -36.5' M.L.W.

Total Depth of Probe 0' Feet

Hammer Wt. 300# Probe Started 12:55

Hammer Drop 18" Probe Completed 1:00

Drilled by D. Campbell Soil Exploration Corp

Mfg. Des. Drill ACKER ACE

Inspected by: Peter Beblowski

Depth 1"= 5'	Blows Per Foot	PROBING OPERATIONS	CLASSIFICATION OF MATERIALS
		Bouncing refusal at -36.5'	

GENERAL REMARKS

ATTACHMENT 2

U. S. ARMY
CORPS OF ENGINEERS
NEW ENGLAND DIVISION

FIELD LOG OF TEST PROBE

Site Portsmouth Harbor N.H.& ME Page 1 of 1 Pages

Probe No. FP-83-X-10 Desig. X-10 Diam. Probe ROD AW-1 3/4"D

Coordinates: N ____ E ____

10/6/83

Elevation +8.0' of Water Surface M.L.W.

Elevation Top of Probe -31.0' M.L.W.

Elevation Top of Refusal -32.0' M.L.W.

Elevation Bottom of Probe -32.0' M.L.W.

Total Depth of Probe 1' Feet

Hammer Wt. 300# Probe Started 1:25

Hammer Drop 18" Probe Completed 1:30

Drilled by R. Seymour Soil Exploration Corp.

Mfg. Des. Drill ACKER ACE

Inspected by: Peter Beblowski

Depth 1"= 5'	Blows Per Foot	PROBING OPERATIONS	CLASSIFICATION OF MATERIALS
1'	7	Med. stiff	Clean probe & rods upon completion.
		Refusal at -32.0' 50/0" bouncing refusal	

GENERAL REMARKS

ATTACHMENT 2

U. S. ARMY
CORPS OF ENGINEERS
NEW ENGLAND DIVISION

FIELD LOG OF TEST PROBE

Site Portsmouth Harbor N.H.& ME Page 1 of 1 Pages

Probe No. FP-83-X-11 Desig. X-11 Diam.Probe ROD AW-1 3/4"D

Coordinates: N _____ E _____

10/6/83

Elevation +7.25' of Water Surface M.L.W.

Elevation Top of Probe -29.75' M.L.W.

Elevation Top of Refusal -29.75' M.L.W.

Elevation Bottom of Probe -29.75' M.L.W.

Total Depth of Probe 0' Feet

Hammer Wt. 300# Probe Started 1:40

Hammer Drop 18" Probe Completed 1:45

Drilled by D. Campbell Soil Exploration Corp.

Mfg. Des.Drill ACKER ACE

Inspected by: Peter Beblowski

Depth 1"=	Blows Per Foot	PROBING OPERATIONS	CLASSIFICATION OF MATERIALS
		Bouncing refusal at -29.75'	

GENERAL REMARKS

ATTACHMENT 2

U. S. ARMY
CORPS OF ENGINEERS
NEW ENGLAND DIVISION

FIELD LOG OF TEST PROBE

Site Portsmouth Harbor N.H.& ME Page 1 of 1 Pages

Probe No. FP-83-X-12 Desig. X-12 Diam. Probe ROD AW-1 3/4"D

Coordinates: N _____ E _____

10/6/83

Elevation +6.0' of Water Surface M.L.W.

Elevation Top of Probe -35.5' M.L.W.

Elevation Top of Refusal -37.5' M.L.W.

Elevation Bottom of Probe -37.5' M.L.W.

Total Depth of Probe 2 Feet

Hammer Wt. 300# Probe Started 2:10

Hammer Drop 18" Probe Completed 2:15

Drilled by R. Seymour Soil Exploration Corp.

Mfg. Des. Drill ACKER ACE

Inspected by: Peter Beblowski

Depth 1"= 5'	Blows Per Foot	PROBING OPERATIONS	CLASSIFICATION OF MATERIALS
2'	1 3	Very soft to soft	Clean probe & rods
		Refusal at -37.5' 50/0"	

GENERAL REMARKS

ATTACHMENT 2

U. S. ARMY
CORPS OF ENGINEERS
NEW ENGLAND DIVISION

FIELD LOG OF TEST PROBE

Site Portsmouth Harbor N.H.& ME Page 1 of ___ Pages

Probe No. FP-83- Desig. X-13 Diam. Probe ROD AW-1 3/4"D

Coordinates: N _____ E _____

Elevation _____ of Water Surface M.L.W.

Elevation Top of Probe _____ M.L.W.

Elevation Top of Refusal _____ M.L.W.

Elevation Bottom of Probe _____ M.L.W.

Total Depth of Probe _____ Feet

Hammer Wt. 300# Probe Started _____

Hammer Drop 18" Probe Completed _____

Drilled by Soil Exploration Corp.

Mfg. Des. Drill ACKER ACE

Inspected by: Peter Beblowski

Depth 1"=	Blows Per Foot	PROBING OPERATIONS	CLASSIFICATION OF MATERIALS
		Probe unable to be done due to the close proximity of boring R. Poisson notified of this problem.	

GENERAL REMARKS

ATTACHMENT 2

U. S. ARMY
CORPS OF ENGINEERS
NEW ENGLAND DIVISION

FIELD LOG OF TEST PROBE

Site Portsmouth Harbor N.H.& ME Page 1 of 1 Pages

Probe No. FP-83- Y-9 Desig. Y-9 Diam. Probe ROD AW-1 3/4"D

Coordinates: N ∴ E

10/11/83

Elevation +.2' of Water Surface M.L.W.

Elevation Top of Probe -41' M.L.W.

Elevation Top of Refusal ----- M.L.W.

Elevation Bottom of Probe -41' M.L.W.

Total Depth of Probe ---- Feet

Hammer Wt. 300# Probe Started 11:05

Hammer Drop 18" Probe Completed 11:10

D. Campbell

Drilled by Soil Exploration Corp.

Mfg. Des. Drill ACKER ACE

Inspected by: Peter Beblowski

Depth 1"=	Blows Per Foot	PROBING OPERATIONS	CLASSIFICATION OF MATERIALS
		Lowered probe rods to -41.0'	

GENERAL REMARKS

ATTACHMENT 2

U. S. ARMY
CORPS OF ENGINEERS
NEW ENGLAND DIVISION

FIELD LOG OF TEST PROBE

Site Portsmouth Harbor N.H.& ME Page 1 of 1 Pages

Probe No. FP-83-Y-10 Desig. Y-10 Diam. Probe ROD AW-1 3/4"D

Coordinates: N ∴ E

10/11/83

Elevation +2.5' of Water Surface M.L.W.

Elevation Top of Probe -37' M.L.W.

Elevation Top of Refusal -37' M.L.W.

Elevation Bottom of Probe -37' M.L.W.

Total Depth of Probe 0' Feet

Hammer Wt. 300# Probe Started 11:20

Hammer Drop 18" Probe Completed 11:25

D. Campbell

Drilled by Soil Exploration Corp.

Mfg. Des. Drill ACKER ACE

Inspected by: Peter Beblowski

Depth 1"= 5'	Blows Per Foot	PROBING OPERATIONS	CLASSIFICATION OF MATERIALS
		Refusal at -37' (possibly boulder)	

GENERAL REMARKS

ATTACHMENT 2

CORPS OF ENGINEERS, U. S. ARMY
NEW ENGLAND DIVISION
Geotechnical Engineering Branch
FIELD LOG OF TEST BORING

Site Portsmouth Harbor, NH - ME — Page 1 of 3 Pages

Hole No FD-83-1 Diam. (Casing) 3¼" I.D. — Boring Started 7:15 AM 10/12/83

Co-ordinates: N 87909.54 E 349137.09 — Boring Completed 10:25 AM 10/12/83

Drilled by Don Campbell — Report Submitted Oct. 27, 1983

Purpose of Exploration To determine the rock surface along with the quality of the soil and rock to be removed for the proposed dredging at "Area 3 "

Elevation Top of Hole -22.75 M.L.W. — Casing Left in Place none Feet

Total Overburden Drilled 18 Feet — +4.25

Elevation Top of Rock ---- M.L.W.

Elevation Bottom of Hole -40.75 M.L.W.

Total Rock Drilled ---- Feet

Total Depth of Hole 18 Feet

Core Recovered ------ %

Core Recovered -- Ft.; -- Diam. -- In.

Soil Samples 2 In. Diam. 4 No.

Soil Samples ____ In. Diam. ____ No.

Water Surface at Start of Work
or
Water Table Depth +4.25' MLW

Depth From	Depth To	Method of Drilling and Type of Bit Used
~~-22.75~~	~~-40.75~~	Drive sample boring

INDEX

Prepared by Peter Beblowski (Field Data) — Date ____

Submitted by ____ Soil Exploration Corp — Date ____

ATTACHMENT 4A

U. S. ARMY
CORPS OF ENGINEERS
NEW ENGLAND DIVISION

FIELD LOG OF TEST BORING

Site Portsmouth Harbor, NH-ME Page 2 of 3 Pages

Boring No. FD-83-#1 Desig. FD-K Diam. (Casing) 3½"

Co-ordinates: N 87909.54 E 349137.09

Elevation Top of Boring -22.75' M.L.W.
Total Overburden Drilled 18' Feet
Elevation Top of Rock --- M.L.W.
Total Rock Drilled --- Feet
Elevation Bottom of Boring -40.75' M.L.W.
Total Depth of Boring 18' Feet
Core Recovered -- % No. Boxes --
Core Recovered -- Ft : -- Diam. -- In.
Soil Samples S-1 to 4 In. Diam. ___ No.
Soil Samples -- In. Diam. ___ No.

Hammer Wt. 300 lb
Hammer Drop 18"
Casing Left 0
Subsurface Water Data' --- 'Page --
Obs. Well none
Drilled By D. Campbell
Mfg. Des. Drill Acker Ace
Peter Beblowski
Inspected By:
Classification By: PLB
Classification By: PLB

Boring Started 7:15 10/12
Boring Completed 10:25 10/12

DEPTH	CORE/SAMPLE NO.	SIZE	DEPTH RANGE	BLOWS PER FT. / CORE REC'VY	SAMPLING AND CORING OPERATIONS	CLASSIFICATION OF MATERIALS
	S-1		5.0	10 12 33 32 96	Dense to very dense	Gray SW (fine to med. sand little coarse sand, trace gravel & cobbles & shell
-27.75	S-2		5.0	58 49 36 46 75	Moderately dense to very dense	Grey SW (med. to fien sand, little coarse sand & gravel, trace cobbles and shells
-32.75	S-3		5.0	51 26 34 33 42	Moderately dense to very dense	Gray GP-GW (med, coarse sand & gravel, little fine sand and trace boulders and cobbles.
-37.75	S-4		3.0	77 85 97	Very dense	Grey SW (fine to med. sand, little to some coarse sand, trace gravel and cobbles & silt.
-40.75					Boring terminated at -40.75' MLW	

GENERAL REMARKS:

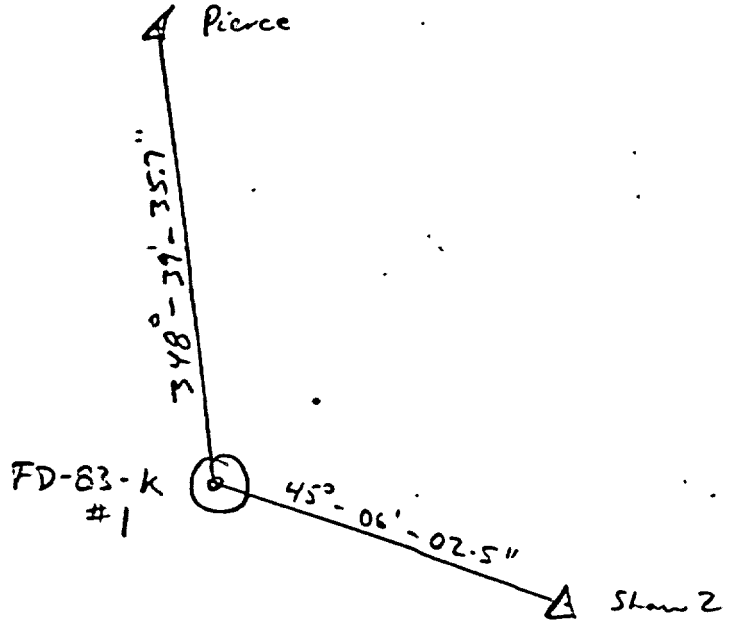
Site: Portsmouth Hbr., NH-ME
Boring No: FD-83- 1

SUBSURFACE WATER OBSERVATIONS

DATE	TIME	DEPTH-BOT. OF CASING	DEPTH-BOT. OF BORING	DEPTH TO WATER	ELEVATION WATER	REMARKS

Note: Depths are in feet below original ground

BORING LOCATION SKETCH



NED 10-4-59 (Test)

Boring No FD-83-1
ATTACHMENT 40

CORPS OF ENGINEERS, U. S. ARMY

NEW ENGLAND DIVISION

Geotechnical Engineering Branch

FIELD LOG OF TEST BORING

Site Portsmouth Harbor, NH - ME

Page 1 of 4 Pages

Hole No. FD-83- 2 Diam. (Casing) 3½"

Boring Started 11:00 AM 10/12

Co-ordinates: N 87888.18 E 34878.75

Boring Completed 3:30 PM 10/12

Drilled by D. Doyle

Report Submitted

Purpose of Exploration To determine the rock surface along with the quality of the soil and rock to be removed for the proposed dredging at "Area 3 "

Elevation Top of Hole -21.25' M.L.W.

Total Overburden Drilled 14' Feet

Elevation Top of Rock -35.25 M.L.W.

Elevation Bottom of Hole -40.25' M.L.W.

Total Rock Drilled 5' Feet

Total Depth of Hole 19' Feet

Core Recovered 27 %

Core Recovered 1.3' Ft.; NX Diam. 2-1/8 In.

Soil Samples 2 In. Diam. 2 No.

Soil Samples ____ In. Diam. ____ No.

Casing Left in Place ---- Feet

Water Surface at Start of Work

or

Water Table Depth +0.75

Depth From	Depth To	Method of Drilling and Type of Bit Used
21.25	34.25	Drive sample boring
34.25	35.25	Cored thru nested boulders
35.25	40.25	Cored (NX - Diamond)

Index

Prepared by Peter Beblowski
Field Data

Date

Submitted by
Soil Exploration Corp

Date

ATTACHMENT 4A

FIELD LOG OF TEST BORING IN ROCK

SITE Portsmouth Harbor, NH - ME HOLE NO. ED-83- 2 PAGE 2

DATE	DEPTH PT. FROM	DEPTH PT. TO	RUN PT.	RUN REC'V'Y PT.	REC'V'Y %	DRILLING BEHAVIOR: FEED	DRILLING BEHAVIOR: WATER	DRILLING BEHAVIOR: REASON FOR PULL	ACTUAL DRILLING TIME	BIT NO. SIZE AND TYPE	ADDITIONAL REMARKS
10/12	35.25	40.25	-35.25	40.25	27%	300	no loss	end of run	30 min.	NX	1 ft. missing from bottom core barrel Dropped out of hole 2.3/5 ft. 47% Note: Cored from -31.25 to -35.75 thru nested boulders and cobbles.

TOTAL BED ROCK DRILLED 5 FEET

TOTAL BED ROCK RECOVERED 1.3' FEET

BED ROCK RECOVERY 27 PERCENT

DRILLER D. Doyle

INSPECTOR PLB

NED FORM 130

U. S. ARMY
CORPS OF ENGINEERS
NEW ENGLAND DIVISION

FIELD LOG OF TEST BORING

Site Portsmouth Harbor, NH-ME Page 3 of 4 Pages
FD-83-2 FD-J
Boring No. #2 Desig. _____ Diam. (Casing) 3¼"
Co-ordinates: N _____ E _____

Elevation Top of Boring -21.25 M.L.W.
Total Overburden Drilled 14 Feet
Elevation Top of Rock -35.25 M.L.W.
Total Rock Drilled 5 Feet
Elevation Bottom of Boring -40.25 M.L.W.
Total Depth of Boring -40.25 Feet
Core Recovered 27 % No. Boxes 1
Core Recovered ~~1.3~~ Ft : ____ Diam. ____ In.
Soil Samples ____ In. Diam. ____ No.
Soil Samples ____ In. Diam. ____ No.

Hammer Wt. 300 Hammer Drop 18 Casing Left 0
Subsurface Water Data -- Page --
Obs. Well --
Drilled By D. Doyle
Mfg. Des. Drill Acker Ace
Inspected By: P. Beblowski
Classification By: PLB
Classification By: PLB

Boring Started 10/12 11:00 AM
Boring Completed 10/12 2:45 PM

DEPTH	CORE/SAMPLE NO.	SIZE	DEPTH RANGE	BLOWS PER FT. / CORE REC'VY	SAMPLING AND CORING OPERATIONS	CLASSIFICATION OF MATERIALS
1" = 5'						
	S-1		5.0	WOH WOH WOH WOH 4	Very soft	Gray - ML - (silt, clay and fine sand, trace shell)
-26.25'	S-2			6 21 46 19 143	Medium dense to dense	Gray SW (med fine to coarse sand, some gravel, trace shell & cobbles)
-31.25'	1	NX		0.75'	rec. 9" of chop from boulder	dark gray fractured rock (shale) Nested boulders and cobbles (chopped up boulder debris)
-35.25'	2			1.3	Soft weathered zoning jumping and chattering due to vert. & subsoil fracturing top 2.5' rec. 16"/5 ft. 27%	Dark gray- black metamorphic granulite soft stone exhibits FE stain possible flow banding and metamorphic brecciations, little calcite veining and vertical and subvert. fractures.
-40.25'					Boring terminated at -40.25' MLW	

GENERAL REMARKS:

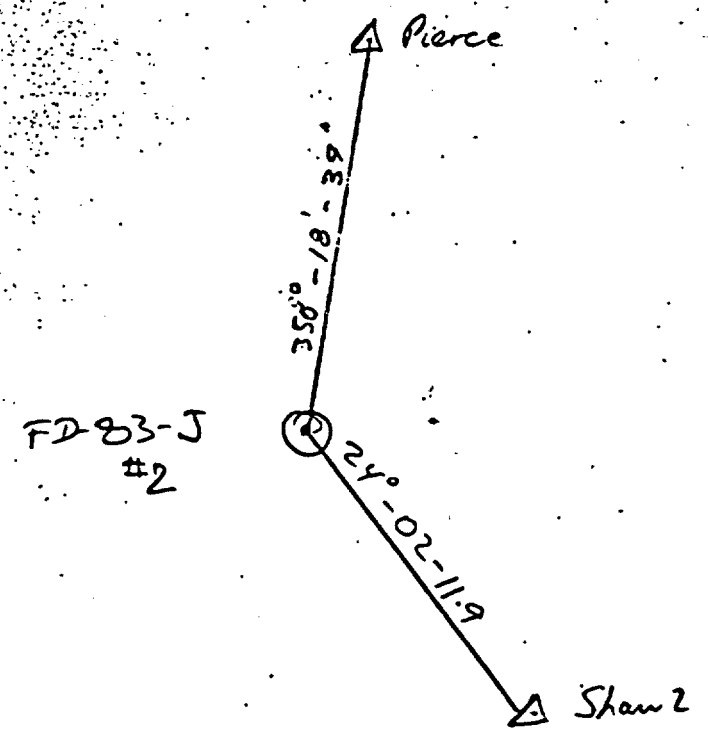
Site: Portsmouth Hbr., NH-ME
Boring No: FD-83- 2

SUBSURFACE WATER OBSERVATIONS

DATE	TIME	DEPTH-BOT. OF CASING	DEPTH-BOT. OF BORING	DEPTH TO WATER	ELEVATION WATER	REMARKS

Note: Depths are in feet below original ground

BORING LOCATION SKETCH



CORPS OF ENGINEERS, U. S. ARMY

NEW ENGLAND DIVISION

Geotechnical Engineering Branch

FIELD LOG OF TEST BORING

Site Portsmouth Harbor, NH - ME — Page 1 of 4 Pages

Hole No FD-83-3 Diam. (Casing) 3½" — Boring Started 7:45 10/13

Co-ordinates: N 87919.77 E 348485.25 — Boring Completed 12:15 10/13

Drilled by D. Doyle — Report Submitted Oct. 27, 1983

Purpose of Exploration To determine the rock surface along with the quality of the soil and rock to be removed for the proposed dredging at "Area "

Elevation Top of Hole -13.0 M.L.W.

Total Overburden Drilled ---- Feet

Elevation Top of Rock -13.0 M.L.W.

Elevation Bottom of Hole -24.4 M.L.W.

Total Rock Drilled 11.4 Feet

Total Depth of Hole 11.4 Feet

Core Recovered 59 %

Core Recovered 6.75 Ft.; NX Diam. 2-1/8 In.

Soil Samples ----- In. Diam. -- No.

Soil Samples ____ In. Diam. ____ No.

Casing Left In Place --------- Feet

Water Surface at Start of Work

or

Water Table Depth +4.5

Depth From	Depth To	Method of Drilling and Type of Bit Used
-13.0	-24.4	Rock core with NX bit - diamond

INDEX

Ground Water	--	Back of Page --
Boring Location Sketch		Back of Page 4
Overburden Record	----	Page --
Rock Drilling		Page 3
	---	Page --
		Page
		Page

Prepared by P. Beblowski
Field Data — Lab. Data

Submitted by Soil Exploration Corp.

ATTACHMENT 4A

FIELD LOG OF TEST BORING IN DOCK

SITE Portsmouth Harbor, NH - ME HOLE NO. ED-83-3

DATE	DEPTH PT. FROM	DEPTH PT. TO	RUN PT.	RUN REC'V'Y PT.	REC'V'Y %	DRILLING BEHAVIOR: FEED	DRILLING BEHAVIOR: WATER	DRILLING BEHAVIOR: REASON FOR PULL	ACTUAL DRILLING TIME	BIT NO. SIZE AND TYPE	ADDITIONAL REMARKS
10/13	-13.0	-16.3	3.3	2.2	66.3	300-350	no loss	jammed barrel	5 min/ft	NX	Vertical & sub vert fractures jammed core barrel
	-16.3	-17.2	0.9	0.4	45.5	" "	" "	" "	5 min/ft	NX	
	-17.2	-19.7	2.5	1.4	56.7	" "	" "	" "	8 min/ft	NX	
	-19.7	-22.9	3.2	2.0	63.2	" "	" "	" "	15 min/ft	NX	
	-22.9	-24.4	1.5	0.75	50.0	" "	" "	" "	20 min/ft	NX	Terminated due to movement of barge binding up the drill rods and casing. In order to free up the drill rods the pressure had to be relieved on tne casing by dislodging it from the bottom

TOTAL BED ROCK DRILLED 11.4 FEET

TOTAL BED ROCK RECOVERED 6.75 FEET

BED ROCK RECOVERY 59 PERCENT

DRILLER D. Doyle

INSPECTOR P. Beblowski

NED FORM 130

ATTACHMENT A-

U. S. ARMY
CORPS OF ENGINEERS
NEW ENGLAND DIVISION

FIELD LOG OF TEST BORING

Site Portsmouth Harbor, NH-ME Page 3 of 4 Pages
Boring No. FD-83- 3 Desig. FD-1 Diam. (Casing) 3½"
Co-ordinates: N 87919.77 E 348485.25

Elevation Top of Boring -13.0 M.L.W.
Total Overburden Drilled 0 Feet
Elevation Top of Rock -13.0 M.L.W.
Total Rock Drilled 11.4 Feet
Elevation Bottom of Boring 24.4 M.L.W.
Total Depth of Boring 11.4 Feet
Core Recovered 59 % No. Boxes 1
Core Recovered 6.75 Ft : NX Diam. 2-1/8 in.
Soil Samples ---- In. Diam. -- No.
Soil Samples ---- In. Diam. -- No.

Hammer Wt. 300
Hammer Drop 18"
Casing Left ---
Subsurface Water Data ---' Page ---
Obs. Well --
Drilled By Dave Doyle
Mfg. Des. Drill Acker Ace
Inspected By: Peter Beblowski PLB
Classification By:
Classification By: PLB

Boring Started 7:45 10/13
Boring Completed 12:15 10/18

DEPTH	CORE/SAMPLE NO.	SIZE	DEPTH RANGE	BLOWS PER FT. CORE REC'VY	SAMPLING AND CORING OPERATIONS	CLASSIFICATION OF MATERIALS
	1	NX	3.3	66.3	core barrel jammed	Black dark gray meta silt stone, FE staining, vertical fracturing prevalent
-16.3	2	NX	0.9	45.5	core barrel jammed (1 piece)	" with trace voids
-17.2	3	NX	2.5	56.7	core barrel jammed	" metamorphosed to almost quartzite and possibl igneous intrusion, trace voids.
-19.7	4	NX	3.2	63.2	core barrel jammed	Black-gray meta-siltstone-quartzite, little festering vert. fract. prevalent ign. intrusions with trace voids
-22.9	5	NX	1.5	50	core barrel jammed	"
-24.4					Terminated at -24.4 for MLW Barge moved while drilling and drilling was terminated due to the binding up of the tools.	

GENERAL REMARKS:

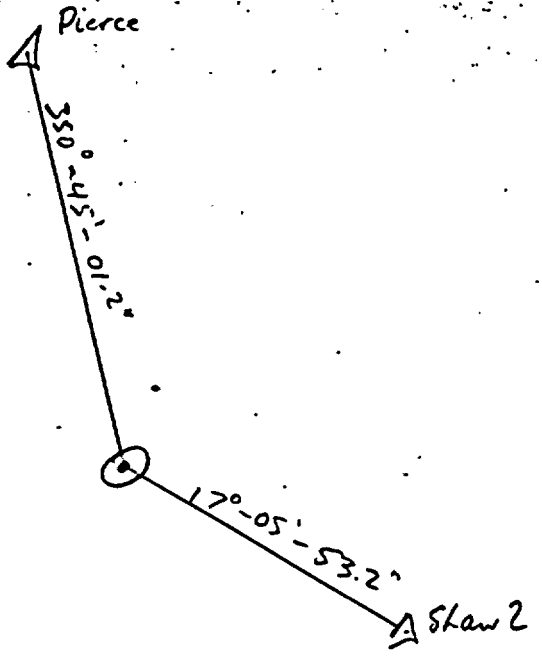
Site: Portsmouth Hbr., NH-ME
Boring No: FD-83-3

SUBSURFACE WATER OBSERVATIONS

DATE	TIME	DEPTH-BOT. OF CASING	DEPTH-BOT. OF BORING	DEPTH TO WATER	ELEVATION WATER	REMARKS

Note: Depths are in feet below original ground

BORING LOCATION SKETCH



NED FORM 523 (Test)

Boring No FD-83-3
ATTACHMENT 4D

WEEKLY SAFETY REPORTS

NEDSO

WEEKLY SAFETY MEETING

Date held 5/19

THRU: Area Engineer, Portsmouth Harbor Area

Time 10:00 AM

TO: Safety Office, NED

1. Weekly safety meeting was held this date for the following personnel:

Contract No. DACW33-83-B-0060 Contractor MILLER ENG & TESTING INC.

Conducted By PLB All personnel present (Contr) PLB
(Sub) 4 Drillers
(Govt) 0

Subjects discussed (Note, delete, or add):
EM 385-1-1, Section: _____

✓ Accident Prevention Plan

✓ Individual Protective Equipment -

✓ Prevention of Falls -

✓ Back Injury, Safe Lifting Techniques -

✓ Fire Prevention -

Sanitation, ✓ First Aid, Waste Disposal -

✓ Tripping Hazards - trash, hose, nails in lumber -

Staging, Ladders, Concrete Forms, Safety Nets -

Hand Tools, Portable Power Tools, Woodworking Machinery -

✓ Equipment Inspection & Maintenance (Zero Defects) -

Hoisting Equipment -

Ropes, Hooks, Chains and Slings -

Electrical Grounding, Temporary Wiring, GFCI -

Lockouts for safe clearance procedures - electrical, pressure, moving parts -

Welding, Cutting -

Excavations -

Loose Rock and Steep Slopes -

Explosives -

Water Safety -

Toxic materials - hazards, MSDS, respiratory, ventilation -

Other -

2. Forwarded.

Prepared by PLB Title Geologist

Signature Peter J. Bellavance
Resident Engineer

CF:

NED APP FL 62 251

NEDSO

WEEKLY SAFETY MEETING

Date held 9/26/83

THRU: Area Engineer, New England Area

Time 8:30 AM

TO: Safety Office, NED

1. Weekly safety meeting was held this date for the following personnel:

Contract No. DACW-33-83-B-0000 Contractor Miller Eng. & Testing

Conducted By PLB All personnel present (Contr) 4
(Sub) 7
(Govt) —

Subjects discussed (Note, delete, or add):
EM 385-1-1, Section: _____

✓Accident Prevention Plan ✓ WATCH out for each other to keep job safe

✓Individual Protective Equipment - everyone wear hard hats

✓Prevention of Falls - warning on tripping over trucks on barge.

✓Back Injury, Safe Lifting Techniques -

✓Fire Prevention - listed what fire ext. were & discussing warning when filling fuel tanks

Sanitation, First Aid, Waste Disposal -

✓Tripping Hazards - trash, hose, nails in lumber -

Staging, Ladders, Concrete Forms, Safety Nets -

Hand Tools, Portable Power Tools, Woodworking Machinery -

✓Equipment Inspection & Maintenance (Zero Defects) -

Hoisting Equipment -

Ropes, Hooks, Chains and Slings -

Electrical Grounding, Temporary Wiring, GFCI -

Lockouts for safe clearance procedures - electrical, pressure, moving parts -

Welding, Cutting -

Excavations -

Loose Rock and Steep Slopes -

Explosives -

✓Water Safety - made sure everyone wears PFD's & know where life rings are.

Toxic materials - hazards, MSDS, respiratory, ventilation -

Other -

Prepared by PLB Title Geologist & Safety officer

2. Forwarded.

CF:

Signature PLB
Resident Engineer

NED APP FL E2 251

Hrs. for 9/19 thru 9/23 = 1,085.5 + 5 hrs. for Govt rep.
1,094.5 hrs

1,072.5 hrs. of exposure

NEDSO

WEEKLY SAFETY MEETING

Date held 10/3/83

THRU: Area Engineer, Nu England Area

Time 7:30 Am

TO: Safety Office, NED

1. Weekly safety meeting was held this date for the following personnel:

Contract No. DACW33 93 B-0600 Contractor Miller Eng. Flushing Inc.

Conducted By PLB

All personnel present (Contr) 5
(Sub) 3 ~~4~~ (7)
(Govt) —

Subjects discussed (Note, delete, or add):
EM 385-1-1, Section: _____

Accident Prevention Plan

✓ Individual Protective Equipment - hat's on warning hard hats & life vests

Prevention of Falls -

Back Injury, Safe Lifting Techniques -

✓ Fire Prevention - reminder on location of fire ext.

Sanitation, First Aid, Waste Disposal -

✓ Tripping Hazards - trash, hose, nails in lumber -

Staging, Ladders, Concrete Forms, Safety Nets -

Hand Tools, Portable Power Tools, Woodworking Machinery -

Equipment Inspection & Maintenance (Zero Defects) -

Hoisting Equipment -

Ropes, Hooks, Chains and Slings -

Electrical Grounding, Temporary Wiring, GFCI -

Lockouts for safe clearance procedures - electrical, pressure, moving parts -

Welding, Cutting -

Excavations -

Loose Rock and Steep Slopes -

Explosives -

✓ Water Safety - Life vest warning issued

Toxic materials - hazards, MSDS, respiratory, ventilation -

Other -

Prepared by PLB Title Geologist

2. Forwarded.

Signature PLB
Resident Engineer

CF:

NED APR FL 62 251

Hrs for 9/26 thru 9/29/83 = 543.3 hrs

NOTE: Correction on hrs for 9/19/83 9/23 = 727.5 + 5 = 732.5

1,275.8

NEDSO

WEEKLY SAFETY MEETING

Date held 10/11/83

THRU: Area Engineer, New England Area

Time 9:00 am.

TO: Safety Office, NED

1. Weekly safety meeting was held this date for the following personnel:

Contract No. DACW 33-83-B-0600 Contractor Miller Eng. & Testing Inc.

Conducted By PLB All personnel present (Contr) 4
(Sub) 9
(Govt) 0

Subjects discussed (Note, delete, or add):
EM 385-1-1, Section: _____

Accident Prevention Plan

✓ Individual Protective Equipment - ASKED workers to wear hard hats & life vests.

✓ Prevention of Falls - NOTED Tripping Hazards

Back Injury, Safe Lifting Techniques -

✓ Fire Prevention - Fire ext. locations noted.

Sanitation, First Aid, Waste Disposal -

✓ Tripping Hazards - trash, hose, nails in lumber - picked up

Staging, Ladders, Concrete Forms, Safety Nets -

Hand Tools, Portable Power Tools, Woodworking Machinery -

Equipment Inspection & Maintenance (Zero Defects) -

Hoisting Equipment -

Ropes, Hooks, Chains and Slings -

Electrical Grounding, Temporary Wiring, GFCI -

Lockouts for safe clearance procedures - electrical, pressure, moving parts -

Welding, Cutting -

Excavations -

Loose Rock and Steep Slopes -

Explosives -

✓ Water Safety - Placement of life rings noted.

Toxic materials - hazards, MSDS, respiratory, ventilation -

Other -

2. Forwarded.

Prepared by PLB Title Geologist

CF:

Signature PLB.
Resident Engineer

NED APR FL 62 251

Approx 705 man hrs/wk. includes 4 govt monitors, for week of Oct. 3-7, 1983.

NEDSO

WEEKLY SAFETY MEETING

Date held 10/17/83

THRU: Area Engineer, New England Area

Time 8:30AM

TO: Safety Office, NED

1. Weekly safety meeting was held this date for the following personnel:

Contract No. DACW-33-83-C-0073 Contractor Miller Engineering & Testing Inc.

Conducted By PLB All personnel present (Contr) 4
(Sub) 2
(Govt)

Subjects discussed (Note, delete, or add):
EM 385-1-1, Section:

Accident Prevention Plan

✓ Individual Protective Equipment - wear hard hats & PFD's

Prevention of Falls -

Back Injury, Safe Lifting Techniques -

Fire Prevention -

Sanitation, First Aid, Waste Disposal -

✓ Tripping Hazards - trash, hose, nails in lumber -

Staging, Ladders, Concrete Forms, Safety Nets -

Hand Tools, Portable Power Tools, Woodworking Machinery -

✓ Equipment Inspection & Maintenance (Zero Defects) -

Hoisting Equipment -

Ropes, Hooks, Chains and Slings -

Electrical Grounding, Temporary Wiring, GFCI -

Lockouts for safe clearance procedures - electrical, pressure, moving parts -

Welding, Cutting -

Excavations -

Loose Rock and Steep Slopes -

✓ Explosives -

✓ Water Safety -

Toxic materials - hazards, MSDS, respiratory, ventilation -

Other -

Prepared by PLB Title Geologist

2. Forwarded.

Signature PLB Peter L. Belluardi
Resident Engineer

CF:

NED APP FL 251

Wkly Exposure number. 495 hrs. for 10/11 to 10/14

WEEKLY SAFETY MEETING

NEDSO

Date held 10/24/83

THRU: Area Engineer, New England Area

Time —

TO: Safety Office, NED

1. Weekly safety meeting was held this date for the following personnel:

Contract No. DACW 33-83-C-0073 Contractor Miller Engineering & Testing Inc.

Conducted By P. Beblowski All personnel present (Contr) _____
(Sub) _____
(Govt) _____

Subjects discussed (Note, delete, or add):
EM 385-1-1, Section: _____

Accident Prevention Plan

Individual Protective Equipment -

Prevention of Falls -

Back Injury, Safe Lifting Techniques -

Fire Prevention -

Sanitation, First Aid, Waste Disposal -

Tripping Hazards - trash, hose, nails in lumber -

Staging, Ladders, Concrete Forms, Safety Nets -

Hand Tools, Portable Power Tools, Woodworking Machinery -

Equipment Inspection & Maintenance (Zero Defects) -

Hoisting Equipment -

Ropes, Hooks, Chains and Slings -

Electrical Grounding, Temporary Wiring, GFCI -

Lockouts for safe clearance procedures - electrical, pressure, moving parts -

Welding, Cutting -

Excavations -

Loose Rock and Steep Slopes -

Explosives -

Water Safety -

Toxic materials - hazards, MSDS, respiratory, ventilation -

Other -

Prepared by Peter Beblowski Title Geologist

2. Forwarded.

Signature Peter L Beblowski
Resident Engineer

CF:

Project Field Work Terminated on 10/20/1983

NED APP FL 62 251

Weekly Exposure total: 10/1 to 10/21 = 447
+ 5 hrs. gov't
452 hrs.

skiff

CERTIFICATE OF INSPECTION

(Self-propelled floating plant under 65' in length)

NAME AND/OR NUMBER: Peters Pet NH2326A	MAXIMUM NUMBER OF PASSENGERS (incl. crew): 8
DISTRICT: New England	PROJECT: Portsmouth Harbor NACW33-83-C-0073
MAKE AND MODEL: Old Town Lapstrake	HULL MATERIAL: Wood
PROPULSION: ☐ INBOARD ☒ OUTBOARD ☒ GAS ☐ DIESEL	TOTAL RATED H.P.: 50
LENGTH - BEAM - DRAFT: 18' x 8' x 1.5'	

INSPECTION RESULTS

(Check applicable items - Indicate inapplicable items with N/A)

INSPECTION ITEMS			INSPECTION ITEMS		
NAME AND/OR NUMBER	PROPER SIZE, TYPE AND COLOR	YES	VENTILATION OF HULL AND BILGES	VENTILATORS FITTED WITH PROPER COWLS OR EQUIVALENT	N/A
	PROPERLY DISPLAYED ON BOW AND STERN	YES		ELECTRIC BILGE BLOWER(S) FULLY ENCLOSED	N/A
NAVIGATION LIGHTS	WHITE - PROPERLY DISPLAYED AND OPERATING 9/24 YES	NO	FUEL SYSTEM	TANK(S) AND LINES SECURELY FASTENED IN PLACE	YES
	COLORED - ADEQUATELY SCREENED AND OPERATING 9/24 YES	NO		FILLER AND VENT PIPES BONDED AND PROPERLY INSTALLED	N/A
LIFE SAVING DEVICES	REQUIRED NUMBER ON BOARD	YES		SHUT OFF VALVES PROPERLY INSTALLED AND OPERATIVE	N/A
	SATISFACTORY CONDITION	YES	ELECTRICAL INSTALLATION SATISFACTORY		YES
	READILY ACCESSIBLE	YES	MOORING TACKLE	SUITABLE ANCHOR(S)	YES
WHISTLE OR HORN ADEQUATE		YES		ANCHOR LINE/CHAIN PROPER SIZE AND IN GOOD CONDITION	YES
BELL ADEQUATE		N/A		MOORING LINES OF PROPER SIZE AND IN GOOD CONDITION	YES
CARBURETOR(S)	APPROVED FLAME ARRESTOR IN GOOD CONDITION AND PROPERLY INSTALLED	YES	BILGES CLEAN AND FREE FROM FIRE HAZARDS		YES
	DRIP PAN(S) PROPERLY INSTALLED AND IN GOOD CONDITION	N/A	FIRST AID KIT	COMPLETE	YES
FIRE EXTINGUISHERS	APPROVED TYPE(S)	YES		ACCESSIBLE	YES
	PROPER SIZE(S)	YES			
	REQUIRED NUMBER	YES			
	SATISFACTORY CONDITION	YES			
	READILY ACCESSIBLE	YES			

REMARKS

This vessel meets the safety requirements of the U.S. Coast Guard and the Corps of Engineers

DATE INSPECTED	TITLE OF INSPECTOR	SIGNATURE OF INSPECTOR
9/19/83	Staff Geologist	Peter J. Schmidt

ENG FORM 1 JUL 62 3579

TnG

CERTIFICATE OF INSPECTION

(Self-propelled floating plant under 65' in length)

NAME AND/OR NUMBER: WILCOX II 212902	MAXIMUM NUMBER OF PASSENGERS (incl. crew): 6
DISTRICT: NEW ENGLAND	PROJECT: Portsmouth Harbor DACW33-83-C-0073
MAKE AND MODEL: Builder Buffalo, N.Y. YEAR 1914	HULL MATERIAL: STEEL
PROPULSION: [X] INBOARD [ ] OUTBOARD [ ] GAS [X] DIESEL	TOTAL RATED H.P.: 600 / LENGTH - BEAM - DRAFT: 61.7 x 18.0 x 7.9

INSPECTION RESULTS

(Check applicable items - Indicate inapplicable items with N/A)

INSPECTION ITEMS			INSPECTION ITEMS		
NAME AND/OR NUMBER	PROPER SIZE, TYPE AND COLOR	N/A	VENTILATION OF HULL AND BILGES	VENTILATORS FITTED WITH PROPER COWLS OR EQUIVALENT	YES
	PROPERLY DISPLAYED ON BOW AND STERN	N/A		ELECTRIC BILGE BLOWER(S) FULLY ENCLOSED	N/A
NAVIGATION LIGHTS	WHITE - PROPERLY DISPLAYED AND OPERATING	YES	FUEL SYSTEM	TANK(S) AND LINES SECURELY FASTENED IN PLACE	NO
	COLORED - ADEQUATELY SCREENED AND OPERATING	YES		FILLER AND VENT PIPES BONDED AND PROPERLY INSTALLED	YES
LIFE SAVING DEVICES	REQUIRED NUMBER ON BOARD	YES		SHUT OFF VALVES PROPERLY INSTALLED AND OPERATIVE	YES
	SATISFACTORY CONDITION	YES	ELECTRICAL INSTALLATION SATISFACTORY		YES
	READILY ACCESSIBLE	YES	MOORING TACKLE	SUITABLE ANCHOR(S)	YES
WHISTLE OR HORN ADEQUATE		YES		ANCHOR LINE/CHAIN PROPER SIZE AND IN GOOD CONDITION	YES
BELL ADEQUATE		YES		MOORING LINES OF PROPER SIZE AND IN GOOD CONDITION	YES
CARBURETOR(S)	APPROVED FLAME ARRESTOR IN GOOD CONDITION AND PROPERLY INSTALLED	N/A	BILGES CLEAN AND FREE FROM FIRE HAZARDS		YES
	DRIP PAN(S) PROPERLY INSTALLED AND IN GOOD CONDITION	N/A	FIRST AID KIT	COMPLETE	YES
FIRE EXTINGUISHERS	APPROVED TYPE(S)	YES		ACCESSIBLE	YES
	PROPER SIZE(S)	YES			
	REQUIRED NUMBER	YES			
	SATISFACTORY CONDITION	YES			
	READILY ACCESSIBLE	YES			

REMARKS: Robert Rand, Shoals Corp., Tug Operator gave assistance in the completion of this form.

This vessel meets the safety requirements of the U.S. Coast Guard and the Corps of Engineers

DATE INSPECTED	TITLE OF INSPECTOR	SIGNATURE OF INSPECTOR
9/15/83	STAFF Geologist	Peter J. Belbarbi

ENG FORM 1 JUL 62 3579

SAFETY INSPECTION CHECK LIST FOR CONSTRUCTION EQUIPMENT

U. S. ARMY ENGINEER DIVISION, NEW ENGLAND

CONTRACTOR: Miller Eng. & Testing Inc.	CONTRACT NO.: DACW 33-83-B-0073
TYPE OF EQUIPMENT: CRANE	MACHINE NO.: —
DATE OF INSPECTION: 9/19/83	
INSPECTED BY (Signature): Peter Z. Bobowski	APPROVED BY (Signature): Peter Z. Bobowski

NOTE: Corps of Engineers General Safety Requirements references are shown in Parentheses. Before any machinery is placed in use, it shall be tested and inspected by a competent mechanic and certified to be in safe operating condition. Records will be maintained readily available for inspection at the site. Inspection will be renewed within 6 months.

TRACTORS, TRUCKS, CRANES, SHOVELS, EARTH-MOVING EQUIPMENT	YES	NO	NOT APPL.
1. Is lock provided to prevent starting by unauthorized persons? (18A10)	X		
2. Is maintenance schedule conforming with manufacturer's recommendations kept for this machine? (18A02)(18A03) KEPT Thru Shoals' Corp. Shop	X		
3. Are adequate Class B fire extinguishers installed on the equipment charged and ready for use, suitably placed, and distinctly marked; and is accessibility to them not obstructed? (13A02)(13A03)	X 9/20	X 9/15	
4. Are Operators experienced and able to read and understand signs, notices, operating instructions, and signals to be used? (05A07)	X		
a. Are Crane Operators 21 years of age? (05A04)	X		
b. Are Drivers of motor vehicles used on highways over 18 and have a valid license? (05A06)			
c. Is there a known heart condition, epilepsy, or other ailment detrimental to safe operation of the equipment? (05A01)		X	
5. Operating Test. Prior to being placed in operation all hoists, cranes and derricks will be tested using not less than 125% of the maximum anticipated load at the maximum boom radius to be used during operations. All motions of equipment will be performed during test at variable boom angles. (18D01) Particular attention shall be given that under no circumstances will the maximum anticipated load used for computing static test load exceed the manufacturer's rating. The contractor will provide the test weights. Date _____ Weight of static test load _____ tons. Maximum radius at which test conducted _____ ft. Length of boom _____ ft.			X
6. Is a safe-load-capacity chart ENG Form 3364 for various boom radii posted in the cab of the crane? Is this chart applicable to present boom length, counter weight, etc.? (18C05)(18E01)	X		

TRACTORS, TRUCKS, CRANES, SHOVELS, EARTH-MOVING EQUIPMENT	YES	NO	NOT APPL.
7. Is a warning sign ENG Form 3363 for overhead electric lines posted at Operators position in crane? (15E08)			X
8. Are all self-propelled construction units, - except light service vehicles such as panels, pick-ups, or station wagons and heavy crawler-type cranes, power shovels, back-hoes and draglines, - equipped with a reverse signal alarm which will operate automatically when the vehicle moves in reverse and giving approved audible sound alarm? (18B01)			X
9. Do tractors, dozers, front end loaders, graders and rollers have seat belts and rollover bars certified to S.A.E. Standards or previous Corps of Engineers approval? (18A20)			X
10. If used for clearing of woods, do tractors, dozers and similar machines have heavy canopy or grille to protect Operator from falling or flying objects? (18A19)			X
11. Are belts, gears, shafts, pulleys, sprockets, blades, drums, flywheels, chains, or other reciprocating, rotating or moving parts adequately guarded? (18B03)	X		
12. Are hook rollers free to turn and secured on turntable?	X		
13. Are all hot pipes and surfaces exposed to accidental contact suitably guarded or insulated? (18B04)	X		
14. Are fuel tanks located so that spills or overflows will not come in contact with engine, exhaust, or electrical connections? (18B05)	X		
15. Are exhausts and discharges so directed as not to endanger workmen or obstruct view of operator? (18B06)	X		
16. Are platforms, catwalks, steps, hand holds, and guardrails provided to assure safe footing and accessways? (18B08)			X
17. Are cranes and derricks equipped with boom angle indicator and load-indicating device to prevent overloading? (18C14)	X		
18. Are all drums on load hoisting equipment equipped with dogs, pawls, or other positive locking devices? (18C03)	X		
19. Is there sufficient cable to allow two full wraps of cable on drums at all working positions? (18C07)	X		
20. Is hoist braking equipment capable of holding at least the full test load? (18C04)	X		
21. Is tagline provided to be attached for controlling swing of crane lifts? (18C10)			X
22. Is the crane equipped with a shock-absorbing type boom stop? (Cable stops and welded struts are unacceptable) (18D03)	X		
23. Are guard rails, barriers and warnings placed around danger area to prevent persons being struck by swing of counterweight or cab? (18A21)	1/6 X	X	

TRACTORS, TRUCKS, CRANES, SHOVELS, EARTH-MOVING EQUIPMENT	YES	NO	NOT APPL.
24. Do all points requiring lubrication during operation have such fittings located or guarded in such manner that personnel servicing the equipment are protected from injury? (18A25)	X		
25 Do all modifications, extensions, replacement parts, and/or repairs to equipment maintain the minimum factor of safety as the original equipment with new, manufacturer's parts? (18C02)	X		
26. Are any of the structural members bent or rusted, or do they otherwise show signs of damage?		X	
27. Are running lines of hoisting equipment exposed to hazardous contact adequately guarded? (15E09)	X		
28. Are drums, sheaves, sheave pins, and pulleys smooth and free of defects? (17C07)	X		
29. Are wire rope, sockets, splices, thimbles, clips, and chains adequate and properly applied and in good operating condition? (17C01-11)(17D01-03)	X		
30. Are hooks, shackles, rings, pad eyes, and other fittings in good condition? (17A05)	X		
31. Are fueling cans used with this equipment approved type safety cans? (12E25)			X
32. Are clamshell, orange-peel and dipper buckets all without missing teeth, worn shell, makeshift bolted connections or holes rusted through shell?			X
33. Are concrete buckets equipped with extension to gate lever for safe dumping?			X
34. Are adequate guardrails provided around the skips of pavers, concrete mixers and similar equipment? Guard is required for open end of skip. (18B07)			X
35. Are all motor vehicles equipped as follows? (19A06)(19A12)			X
a. Directional signal lights both front and rear?			X
b. Two headlights: one on each side; one red tail light and one red or amber stop light?			X
c. Rear view mirror?			X
36. Are service and parking brakes in good operating condition? (19A07)			X
37. Are trucks over 5 tons and heavy hauling units equipped with emergency brakes automatically stopping machine if service brakes should fail? (19A07)			X
38. Are windshields on equipment provided with windshield wipers in proper operating condition? (19A10)			X
39. Is all glass in windshields, cabs, windows and doors of safety glass without holes, breaks or cracks? (19A15, 19A16)(18A18)		X	
40. Are running boards and steps of vehicles provided with non-slip surfaces? (19A14)	X		

TRACTORS, TRUCKS, CRANES, SHOVELS, EARTH-MOVING EQUIPMENT	YES	NO	NOT APPL.
41. Are dump bodies provided with hinged struts or other suitable device for locking body in raised position? (19A20)			X
42. Are tail-gate dumping devices so arranged that Operator will be in the clear while dumping load? (19A22)			X
43. Are approved seat belts installed for driver and all passengers?			X
44. Is engine equipped with power-operated starting device? (19A23)			X
45. Is air-pressure gage in operative condition on equipment with air brakes? (21A10)			X
46. Is air tank equipped with drain valve in an accessible position for daily draining? (21B24)			X
47. Are towing devices structurally adequate and properly mounted with safety chains to prime mover? (19A17, 19A19)			X
48. Are stone ejectors mounted between each pair of dual wheels?			X
49. Is there an approved cover prepared for covering loads of loose material while on the road?			X
PRESSURIZED, ELECTRICAL, POWER SYSTEMS			
50. Is an approved pressure gage installed on pressurized system? (21A10) No valve between gage and vessel or equipment? (21A10, 21A12)			X
51. Is safety or relief valve sealed after adjustment? (21A14)			X
52. Does receiver of air compressor bear certificate of hydrostatic pressure test at 125% of working pressure within two years? (21A01)			X
53. Are all pneumatic hose connections provided with safety lashing? (21A18)			X
54. Are guards for protection of Operator's feet installed on power screeds, concrete finishing machines, mowers, etc.? (18B11)			X
55. Is there a guard mounted on all chain saws, circular saws, and band saw blades? Are radial saws provided with automatic retracting device? (16C01)			X
56. Have all enclosed scaffold machines been dismantled, inspected, lubricated, and tagged with name and date by a Licensed Rigger?			X
57. Is electric welding machine bonded to engine? (15C02)			X
58. Are all portable electric generators and electrical equipment properly grounded to water lines or ground rods?			X
FLOATING PLANT			
59. Are all decks, stair treads and walkways of non-slip surface? (26B03)		X	
60. Are guard rails and grab irons mounted on all weather decks? (26B10)			X
61. Is built-in automatic fire extinguishing system installed at enclosed power plants? (26C02)			X
62. Are U.S.C.G. lights and shapes mounted on vessel? (26A01)	9/20	7/13	

	FLOATING PLANT	YES	NO	NOT APPL.
63.	Are safe boarding ladders, and gangplanks with handrails provided? (26B01)		X	
64.	Is rescue boat prepared and used only in emergency? (07G01-07)	X		
65.	Does motor boat carry decal of safety inspection by U.S.C.G. or Auxiliary?	X		
66.	Is there U.S.C.G.-approved life vest for every person aboard? (07E02)	X		
67.	Is a life ring on 50-foot line hung on each side of deck? (07F04)	X 9/20	X 9/19	
68.	Are waterlights attached to ring buoys? (07F06)		X	
69.	Are safe climbing devices or enclosing cages built on ladders up boom and spud or drilling mast? (30B14, 30B15)			X
70.	Are deck obstructions painted with wide diagonal yellow and black stripes? (26B09)	X 9/6	X 9/19	
71.	Are all repairs completed watertight and thoroughly inspected? (26A06)	X		
72.	Is vessel certificated by U.S.C.G.? (26A01)	X		
73.	Is Captain of uncertificated vessel over 26 feet long Licensed by U.S.C.G. for towing in this area? (26A02)	X		
74.	Does dredge pipe line have attachments for walkway and hand rail? (26B06)			X
75.	Remarks: Other equipment inspected. (Conveyors, batch plants, elevators, material hoists, cableways, airtracks, earth augers, special purpose). This inspection check list was prepared by Peter Beblowski, Staff Geologist, Miller Engineering & Testing, Inc. with the assistance of Mr. Peter P. Hoeksema, Safety EEO, & Mr. Joe Kennedy, Maintenance, Shoals Corporation.			

SAFETY INSPECTION CHECK LIST FOR CONSTRUCTION EQUIPMENT

U. S. ARMY ENGINEER DIVISION, NEW ENGLAND

CONTRACTOR Miller Engineering & Testing Inc.	CONTRACT NO. DACW 33-83-B-0073
TYPE OF EQUIPMENT WINCH	MACHINE NO. 19018
DATE OF INSPECTION 10/11/83	
INSPECTED BY (Signature) Peter L. Bellardi	APPROVED BY (Signature) Peter L Bellardi

NOTE: Corps of Engineers General Safety Requirements references are shown in Parentheses. Before any machinery is placed in use, it shall be tested and inspected by a competent mechanic and certified to be in safe operating condition. Records will be maintained readily available for inspection at the site. Inspection will be renewed within 6 months.

TRACTORS, TRUCKS, CRANES, SHOVELS, EARTH-MOVING EQUIPMENT	YES	NO	NOT APPL.
1. Is lock provided to prevent starting by unauthorized persons? (18A10)			X
2. Is maintenance schedule conforming with manufacturer's recommendations kept for this machine? (18A02)(18A03)			X
3. Are adequate Class B fire extinguishers installed on the equipment charged and ready for use, suitably placed, and distinctly marked, and is accessibility to them not obstructed? (13A02)(13A03)	✓		
4. Are Operators experienced and able to read and understand signs, notices, operating instructions, and signals to be used? (05A07)			X
a. Are Crane Operators 21 years of age? (05A04)			X
b. Are Drivers of motor vehicles used on highways over 18 and have a valid license? (05A06)			X
c. Is there a known heart condition, epilepsy, or other ailment detrimental to safe operation of the equipment? (05A01)			X
5. Operating Test. Prior to being placed in operation all hoists, cranes and derricks will be tested using not less than 125% of the maximum anticipated load at the maximum boom radius to be used during operations. All motions of equipment will be performed during test at variable boom angles. (18D01) Particular attention shall be given that under no circumstances will the maximum anticipated load used for computing static test load exceed the manufacturer's rating. The contractor will provide the test weights. Date _____ Weight of static test load _____ tons. Maximum radius at which test conducted _____ ft. Length of boom _____ ft.			X
6. Is a safe-load-capacity chart ENG Form 3364 for various boom radii posted in the cab of the crane? Is this chart applicable to present boom length, counter weight, etc.? (18C05)(18E01)			X

TRACTORS, TRUCKS, CRANES, SHOVELS, EARTH-MOVING EQUIPMENT	YES	NO	NOT APPL.
7. Is a warning sign ENG Form 3363 for overhead electric lines posted at Operators position in crane? (15E08)			X
8. Are all self-propelled construction units, - except light service vehicles such as panels, pick-ups, or station wagons and heavy crawler-type cranes, power shovels, back-hoes and draglines, - equipped with a reverse signal alarm which will operate automatically when the vehicle moves in reverse and giving approved audible sound alarm? (18B01)			X
9. Do tractors, dozers, front end loaders, graders and rollers have seat belts and rollover bars certified to S.A.E. Standards or previous Corps of Engineers approval? (18A20)			X
10. If used for clearing of woods, do tractors, dozers and similar machines have heavy canopy or grille to protect Operator from falling or flying objects? (18A19)			X
11. Are belts, gears, shafts, pulleys, sprockets, blades, drums, flywheels, chains, or other reciprocating, rotating or moving parts adequately guarded? (18B03)	✓		
12. Are hook rollers free to turn and secured on turntable?			X
13. Are all hot pipes and surfaces exposed to accidental contact suitably guarded or insulated? (18B04)	✓		
14. Are fuel tanks located so that spills or overflows will not come in contact with engine, exhaust, or electrical connections? (18B05)	✓		
15. Are exhausts and discharges so directed as not to endanger workmen or obstruct view of operator? (18B06)	✓		
16. Are platforms, catwalks, steps, hand holds, and guardrails provided to assure safe footing and accessways? (18B08)			X
17. Are cranes and derricks equipped with boom angle indicator and load-indicating device to prevent overloading? (18C14)			X
18. Are all drums on load hoisting equipment equipped with dogs, pawls, or other positive locking devices? (18C03)	✓		
19. Is there sufficient cable to allow two full wraps of cable on drums at all working positions? (18C07)			X
20. Is hoist braking equipment capable of holding at least the full test load? (18C04)	✓		
21. Is tagline provided to be attached for controlling swing of crane lifts? (18C10)			X
22. Is the crane equipped with a shock-absorbing type boom stop? (Cable stops and welded struts are unacceptable) (18D03)			X
23. Are guard rails, barriers and warnings placed around danger area to prevent persons being struck by swing of counterweight or cab? (18A21)			X

TRACTORS, TRUCKS, CRANES, SHOVELS, EARTH-MOVING EQUIPMENT	YES	NO	NOT APPL.
24. Do all points requiring lubrication during operation have such fittings located or guarded in such manner that personnel servicing the equipment are protected from injury? (18A25)			X
25 Do all modifications, extensions, replacement parts, and/or repairs to equipment maintain the minimum factor of safety as the original equipment with new, manufacturer's parts? (18C02)			X
26. Are any of the structural members bent or rusted, or do they otherwise show signs of damage?			X
27. Are running lines of hoisting equipment exposed to hazardous contact adequately guarded? (15E09)	✓		
28. Are drums, sheaves, sheave pins, and pulleys smooth and free of defects? (17C07)	✓		
29. Are wire rope, sockets, splices, thimbles, clips, and chains adequate and properly applied and in good operating condition? (17C01-11)(17D01-03)	✓		
30. Are hooks, shackles, rings, pad eyes, and other fittings in good condition? (17A05)			X
31. Are fueling cans used with this equipment approved type safety cans? (12E25)			X
32. Are clamshell, orange-peel and dipper buckets all without missing teeth, worn shell, makeshift bolted connections or holes rusted through shell?			X
33. Are concrete buckets equipped with extension to gate lever for safe dumping?			X
34. Are adequate guardrails provided around the skips of pavers, concrete mixers and similar equipment? Guard is required for open end of skip. (18B07)			X
35. Are all motor vehicles equipped as follows? (19A06)(19A12)			X
a. Directional signal lights both front and rear?			X
b. Two headlights: one on each side; one red tail light and one red or amber stop light?			X
c. Rear view mirror?			X
36. Are service and parking brakes in good operating condition? (19A07)			X
37. Are trucks over 5 tons and heavy hauling units equipped with emergency brakes automatically stopping machine if service brakes should fail? (19A07)			X
38. Are windshields on equipment provided with windshield wipers in proper operating condition? (19A10)			X
39. Is all glass in windshields, cabs, windows and doors of safety glass without holes, breaks or cracks? (19A15, 19A16)(18A18)			X
40. Are running boards and steps of vehicles provided with non-slip surfaces? (19A14)			X

TRACTORS, TRUCKS, CRANES, SHOVELS, EARTH-MOVING EQUIPMENT	YES	NO	NOT APPL.
41. Are dump bodies provided with hinged struts or other suitable device for locking body in raised position? (19A20)			X
42. Are tail-gate dumping devices so arranged that Operator will be in the clear while dumping load? (19A22)			X
43. Are approved seat belts installed for driver and all passengers?			X
44. Is engine equipped with power-operated starting device? (19A23)	✓		
45. Is air-pressure gage in operative condition on equipment with air brakes? (21A10)			X
46. Is air tank equipped with drain valve in an accessible position for daily draining? (21B24)			X
47. Are towing devices structurally adequate and properly mounted with safety chains to prime mover? (19A17, 19A19)			X
48. Are stone ejectors mounted between each pair of dual wheels?			X
49. Is there an approved cover prepared for covering loads of loose material while on the road?			X
PRESSURIZED, ELECTRICAL, POWER SYSTEMS			
50. Is an approved pressure gage installed on pressurized system? (21A10) No valve between gage and vessel or equipment? (21A10, 21A12)			X
51. Is safety or relief valve sealed after adjustment? (21A14)			X
52. Does receiver of air compressor bear certificate of hydrostatic pressure test at 125% of working pressure within two years? (21A01)			X
53. Are all pneumatic hose connections provided with safety lashing? (21A18)			X
54. Are guards for protection of Operator's feet installed on power screeds, concrete finishing machines, mowers, etc.? (18B11)			X
55. Is there a guard mounted on all chain saws, circular saws, and band saw blades? Are radial saws provided with automatic retracting device? (16C01)			X
56. Have all enclosed scaffold machines been dismantled, inspected, lubricated, and tagged with name and date by a Licensed Rigger?			X
57. Is electric welding machine bonded to engine? (15C02)			X
58. Are all portable electric generators and electrical equipment properly grounded to water lines or ground rods?			X
FLOATING PLANT			
59. Are all decks, stair treads and walkways of non-slip surface? (26B03)	✓		
60. Are guard rails and grab irons mounted on all weather decks? (26B10)			X
61. Is built-in automatic fire extinguishing system installed at enclosed power plants? (26C02)			X
62. Are U.S.C.G. lights and shapes mounted on vessel? (26A01)	X		

FLOATING PLANT	YES	NO	NOT APPL.
63. Are safe boarding ladders, and gangplanks with handrails provided? (26B01)		X	
64. Is rescue boat prepared and used only in emergency? (07G01-07)			X
65. Does motor boat carry decal of safety inspection by U.S.C.G. or Auxiliary?			X
66. Is there U.S.C.G.-approved life vest for every person aboard? (07E02)	X		
67. Is a life ring on 50-foot line hung on each side of deck? (07F04)			X
68. Are waterlights attached to ring buoys? (07F06)		X	
69. Are safe climbing devices or enclosing cages built on ladders up boom and spud or drilling mast? (30B14, 30B15)			X
70. Are deck obstructions painted with wide diagonal yellow and black stripes? (26B09)	X		
71. Are all repairs completed watertight and thoroughly inspected? (26A06)			X
72. Is vessel certificated by U.S.C.G.? (26A01)		X	
73. Is Captain of uncertificated vessel over 26 feet long Licensed by U.S.C.G. for towing in this area? (26A02)			X
74. Does dredge pipe line have attachments for walkway and hand rail? (26B06)			X
75. Remarks: Other equipment inspected. (Conveyors, batch plants, elevators, material hoists, cableways, airtracks, earth augers, special purpose). This inspection check list was prepared by PETER BEDNARSKI, STAFF Geologist, Miller Engineering & Testing with Assistance of Peter S. Garrett - Barge Forman, Shoals Corp.			